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CARLETON COLLEGE

OTTAWA :-: CANADA



SIXTH ANNUAL CALENDAR

For the Academic Year 1947 - 1948

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Sixth Annual Calendar of Carleton College

Since this Calendar is published several weeks before the opening of the session, the College reserves the right to make whatever changes circumstances may require, including cancellation of particular courses.

CARLETON COLLEGE

OTTAWA :-: CANADA



SIXTH ANNUAL CALENDAR

For the Academic Year

1947 - 1948

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The Academic Year

1947

Sept.	8-12	Registration for evening classes in all degree courses.
Sept.	15	Evening classes begin in all degree courses.
Sept.	15-19	Registration for day classes in all degree courses.
Sept.	22	Day classes begin in all degree courses.
Sept.	24	4.15 p.m.—Assembly of all new day students.
Sept.	29	Classes begin in Second Year Applied Science and Engineering.
Oct.	8-10	Registration in the Department of General Education.
Oct.	13	Thanksgiving Day. No classes.
Oct.	14	Classes begin in the Department of General Education.
Dec.	20	Last day of classes before Christmas.
		1948
Jan.	5	Classes reopen after Christmas vacation.
Jan.	12	Mid-year examinations begin.
Jan.	19	Second Term begins.
Mar.	26-28	Easter holidays. No classes.
April	9	Last day of classes in the Department of General Education.
April	17	Last day of classes in First and Second Year Applied Science and Engineering.
April	30	End of examinations in First and Second Year Applied Science and Engineering.
April	30	Day classes end.
May	15	End of examinations in day classes.
May	21	Evening classes end.
May	28	End of examinations in evening classes.
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Historical Statement

During the autumn and winter of 1938-39, a committee of the Ottawa Y.M.C.A., with Dr. H. L. Keenleyside as Chairman, held periodical meetings to discuss the matter of facilities for higher education in the City. While the Roman Catholic Church was served by its own institutions, the somewhat larger non-Roman Catholic population had no institution conducting college work, and it appeared that in no other Canadian city was there a group of equal size not served by at least a junior college. Several possibilities for improving the situation were considered and some were tentatively explored.

With the outbreak of war in 1939 the committee discontinued its meetings, but by 1941 it had become apparent that circumstances brought about by the war had increased the need of facilities for higher education in the Capital. The problem was consequently taken up again by a group, mainly the same as the earlier committee in personnel, under the chairman-ship of the late Dr. Henry Marshall Tory.

The situation was discussed with the heads of universities in other cities attended in numbers by Ottawa students and with many prominent citizens of Ottawa. Teaching resources for evening classes, good at any time in the Capital, had been greatly increased by the presence of many university teachers in temporary wartime positions. Enquiry revealed a sufficient number of teachers willing and anxious to co-operate. The idea of establishing an autonomous association based on general community support for the purpose of conducting a college, and promoting higher educational work generally, met with cordial acceptance and a group of citizens guaranteed sufficient funds to make an experimental period possible. Plans were accordingly made to establish "The Ottawa Association for the Advancement of Learning," the immediate objects of which would be to offer evening instruction in the first two years of university work under the name of Carleton College, and later to establish an Institute of Public Administration.

The Ottawa Association for the Advancement of Learning was organized on June 18, 1942, and incorporated under the laws of the Province of Ontario on June 19, 1943. Carleton College, the Association's first operating unit, was established in the summer of 1942 and opened its first classes on September 21st in that year. Admission to its credit courses in the First Year of Arts, Commerce and Science, was by Junior Matriculation.

All classes, in the beginning and until 1945, were held in the High School of Commerce and in Glebe Collegiate Institute. The College Office was set up in a large classroom in the High School of Commerce.

The response to the educational offerings of the new college was immediate and impressive. All expectations of the organizers of the College were far exceeded when 550 students registered for the first academic year, 1942-43.

The Institute of Public Administration was established in the summer of 1943 and opened its first classes on October 4, 1943. The total number of students registered in the College and in the Institute for the academic year 1943-44 was 885. This figure was increased to 938 for the session 1944-45.

In the early months of 1945 it became obvious that special arrangements must be made to receive the great number of young war veterans who were beginning to return from overseas. On March 19, 1945, the College opened the first of a series of nine intensive courses, each of from four to six months' duration. These special courses in Matriculation subjects were given in day classes, the first day-time classes in the history of the College. It was for these veterans' courses, also, that Carleton College employed its first full-time instructors. By the end of August, 1946, when the special courses were discontinued, more than 1,200 ex-servicemen and women had availed themselves of the facilities of this young war-born college in making their first approach to their educational rehabilitation.

Through these turbulent months, the needs of the civilian students were not neglected. Although they could not be accommodated in the day classes, evening class opportunities were being constantly expanded. New subjects of instruction were offered. More teachers were engaged. The civilian student registration in September, 1945, was above 1,000. Thus, operating in rented and widely-scattered quarters, and depending with a very few exceptions upon the efforts of part-time teachers, the College within four years reached a period (March, 1945, to September, 1946) in which it had more than 2,200 students under instruction, four times the total of its initial registration of 550 in September, 1942.

In September, 1946, Carleton College for the first time came into possession of a building of its own, a four-storey structure situated at the south-west corner of First Avenue and Lyon Street, on a property running west from Lyon between First and Second Avenues. Originally the property of the Ottawa Ladies' College, the building and grounds had been bought early in the war by the Department of National Defence (Army) and put into use as a barracks of the Canadian Women's Army Corps. Carleton College opened full-scale day and evening classes in this building on September 16, 1946.

The heavy inflow of veterans had by this time subsided to the point where it was found possible to accommodate veteran and civilian students in the same classes, and to revert in all classes to the regular academic year, September through May. The total registration in September, 1946, was 1,550.

Two major advances in the teaching curriculum were made at the beginning of the academic year 1945-46. In response to many requests, specifically from discharged service personnel, instruction was offered in a new Department of Journalism. This began as a two-year course with two years in Arts as the entrance requirement. Requests from other ex-servicemen resulted similarly in a decision to offer instruction in the subjects of First Year of Applied Science and Engineering.

During 1945-46, because of the growth of the work of the College and in the Institute of Public Administration, and because of the intimate relation of their respective courses of study, it was decided to consolidate the courses in Arts, Pure Science, Journalism, and Applied Science and Engineering in a Faculty of Arts and Science, and to reorganize the Institute of Public Administration as a Faculty of Public Administration under the College and equal in rank to the Faculty of Arts and Science.

Accordingly, when the College opened for its fifth year of operation in September, 1946, the following courses were offered:

A.—In the Faculty of Arts and Science.

With Junior Matriculation as the admission requirement, day or evening instruction in the first and second years of the four-year course leading to the Bachelor of Arts, Bachelor of Commerce and Bachelor of Science degrees, and all four years of a course leading to the degree of Bachelor of Journalism. With Senior Matriculation as the admission requirement, daytime instruction in the First Year of Applied Science and Engineering. In the Department of General Education, courses of cultural and practical value open without specific admission requirement to the Ottawa public.

B.—In the Faculty of Public Administration.

With Junior Matriculation as the admission requirement, a four-year course leading to the degree of Bachelor of Public Administration. Subjects in the first and second years were to be taken in day or evening classes. Subjects in the third and fourth years were offered in evening classes only.

The first degrees, three Bachelor of Journalism, and three Bachelor of Public Administration, were conferred at a Convocation held on October 23, 1946.

On February 6, 1947, the College sustained a severe blow in the loss by death of Henry Marshall Tory, D.Sc., LL.D., D.C.L., F.R.S.C., F.R.Hist.S., first Chairman of the Board of Governors, first President of the College, and the leader more than any other responsible for the success attained by Carleton College in the first five years of its existence.

Dr. Tory's place as Chairman of the Board of Governors was taken by H. S. Southam, Esquire, C.M.G. On February 18, 1947, Murdoch Maxwell MacOdrum, M.A., Ph.D., formerly Vice-President of the College, was appointed by the Board of Governors to succeed Dr. Tory as President.

Determined to continue the work so well begun by Dr. Tory, the Board of Governors decided to proceed without delay to the execution of plans made in the autumn of 1946 for the raising by public subscription of a million dollar fund for Carleton College. The campaign was planned in two stages: the first with an objective of \$500,000 to pay off the debt on the recently acquired building, to enlarge it and to provide necessary equipment; the second with an objective of a further \$500,000 to endow the College. The first stage was launched in mid-February, 1947, and subscriptions sought for the period 1947-48. By July 15, 1947, a total of \$417,891 had been pledged by 1,530 subscribers.

In April, 1947, the Board of Governors announced the gift by private donors of approximately 40 acres of land within a short distance of the city limits in the Dow's Lake area, to be used as a building site in the future development of the College.

Throughout the summer of 1947 important improvements were made in the College building. Structural alterations brought into use three large new classrooms, a Mechanics laboratory, a Canteen and Common Room, a Women's Lounge, and dressing room and shower accommodations for the students' athletic teams.

The most important recent development in the history of the College has been the organization in the summer of 1947 of complete four-year Pass Courses and five-year Honour Courses leading to the Bachelor of Arts, Bachelor of Science and Bachelor of Commerce degrees. The Third Year in all these courses will be made available to students of the college with the opening of term in September, 1947, the Fourth Year in September, 1948, and the Fifth Year of the Honour Courses in September, 1949. Carleton College can therefore look forward to the conferring of its first Bachelor of Arts, Bachelor of Science and Bachelor of Commerce pass degrees in the Spring of 1949, and its first Honour degrees in the Spring of 1950.

The Board of Governors

Honorary Chairman

PHILIP DANSKEN ROSS, Esquire, B.A. (McGill), B.A.Sc. (McGill), LL.D (McGill), LL.D (Queen's)

Chairman

HARRY STEVENSON SOUTHAM, Esquire, C.M.G.

Secretary

CLARENCE CECIL GIBSON, Esquire, K.C.

Treasurer

WILLIAM MCNAUGHTON CONNOR, Esquire

Member Ex-Officio

The President of Carleton College

MURDOCH MAXWELL MACODRUM, B.A., (Dal.), M.A. (McGill), Ph.D. (Glasgow)

Elective Members

Retire 1948

Mr. C. Fraser Elliott

Dr. H. L. Keenleyside

Dr. W.C. Macartney

Mr. T. R. Montgomery

Mr. F. G. Patten

Mr. Justice Rand

Mr. H. S. Southam

Mr. Norman Wilson

Retire 1949

Mr. F. E. Bronson

Mr. W. M. Connor

Mr. K. A. Greene

Mr. E. J. Jenkins

Mr. A. E. MacRae

Mr. W. D. McKewen

Senator Paterson

Dr. John E. Robbins

Retire 1950

Mr. Charles G. Cowan

Mr. A. A. Crawley

Dr. McGregor Easson

Col. C. M. Edwards

Mr. W. S. Kidd Mr. F. W. White

Mr. C. C. Gibson Mr. F. C. Jennings

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Officers of Administration

President

Murdoch Maxwell MacOdrum, B.A. (Dal.), M.A. (McGill), Ph.D. (Glasgow)

Administrative Officer
Edward F. Sheffield, M.A. (McGill)

Registrar

Kathleen E. Bowlby, B.A. (Acadia)

Assistant Registrar

Elizabeth M. Buckley, B.A. (Queen's)

Bursar

Elizabeth M. Meikle

Officers of Instruction

F. J. Alcock, B.A. (Tor.), Ph.D. (Yale), F.R.S.C.	Geology
F.R.S.C. P. V. Alexander, B.A. (Queen's) Sessional Lecturer	. English
Florence H. Armstrong, B.Sc., (Dal.), Ph.D. (Tor.)	
A. M. Beattie, B.A. (Tor.) Lecturer	
A. J. Bénéteau, B.A. (Queen's), M.A., Ph.D. (Ottawa)	French
C. W. Bishop, B.A. (Tor.), M.A. (Columbia) D.D. (Hon. Queen's)), Religious Knowledge
V. E. Bullock, M.A. (Queen's), A.C.I.C	
W. F. Chown, B.A. (Queen's), C.A.	Accounting
H. N. Corbett, B.Com. (Queen's)	Accounting
W. E. Duffett, B.Com. (Tor.), M.Sc.Econ. (Lond.)	Economics
Florence Dunlop, B.A. (Queen's), A.M., Ph.D. (Columbia)	Psychology
Wilfrid Eggleston	Journalism
W. H. Ellis, B.A. (Queens) Demonstrator	::Chemistry
H. V. Ellsworth, B.A. (Tor.), Ph.D. (Tor.)	Geology
J. G. Enns, M.A. (McMaster)	Mathematics
David Farr, B.A. (U.B.C.), M.A. (Tor.) Lecturer	History
Mercedes M. French, B.A. (Tor.) Sessional Lecturer	Spanish
R. Bruce Gamble, B.Sc. (McGill) Sessional Lecturer	Mathematics
John Garner, M.A. (Tor.) Lecturer	. Political Science
James A. Gibson, B.A. (U.B.C.), B.Litt., D.Phil. (Oxon.)	
Associate Professor	
G. F. Henderson, B.A. (Tor.) Richard Hoff, LL.D (Breslau)	
page len	

S. J. Holmes, B.A. (Queen's)	Physics
C. Y. Hopkins, M.A. (Queen's), Ph.D. (New York)	Chemistry
E. R. Hopkins, B.A. (Tor. et Oxon.), LL.B. (Sask.)	
R. H. Hubbard, B.A. (McMaster), M.A., Ph.D. (Wisc.)	
Claude Isbister, B.A. (Man.), M.A., Ph.D. (Harvard)	Economics
R. Warren James, B.Com. (Tor.), M.A. (Tor.)	.Statistics
L. G. Keill, B.A. (Queen's)	. Latin
Nathan Keyfitz, B.Sc. (McGill)	
Lalkow, D. I., M.D.	Russian
R. W. Lawson, B.A. (Man.) B.A., M.A. (Oxon.)	. Economics
J. Douglas Leechman, B.Sc. (St. Patrick's), M.A., Ph.D. (Ottawa)	. Journalism
Frank MacKinnon, B.A. (McGill), M.A. (Tor.) Assistant Professor	
H. E. MacLean	Engineering Drawing
M. M. MacOdrum, B.A. (Dal.), M.A. (McGill), Ph.D. (Glasgow) Lecturer	English
J. W. Mayne, B.Sc. (Acadia), M.A. (Acadia) M.Sc. (Brown)	,
Lecturer	.Mathematics
L. R. Merkley, M.A. (Queen's), B.Paed. (Tor.)) Biology
L. W. Moffit, B.A. (Tor.), Ph.D. (Edinburgh)	.Political Science
John M. Morton, M.Sc. (Dal), Ph.D. (Princeton)	Cl. :
Assistant Professor Allan M. Munn, B.Sc. (Queen's), M.Sc., Ph.D. (McGill)	. Cnemistry
Assistant Professor	Physics

N. L. McKellar, B.A., B.Com. (U.B.C.) Social Policy
J. M. McQueen, M.A. (Tor.)History
Myron McTavish, Mus.B. (Tor.), L.T.C.M., F.A.G.O., F.C.C.O
H. H. J. Nesbitt, B.A. (Queen's), M.A, Ph.D., (Tor.) Biology
L. N. Richardson, M.A. (Tor.), M.Sc. (McGill) Professor
John E. Robbins, M.A. (Man.), Ph.D. (Ottawa)
Frank Shefrin, B.S.A., M.S. (Iowa) Economics
W. H. Showman, M.A. (Queen's) Latin
E. W. Stedman, C.B., O.B.E., M.I.C.E., F.R.Ae.S., F.I.Ae.S., M.I.M., A.R.C.Sc Lecturer
A. G. Steinberg, M.A., B.Com. (Queen's)Economics
Agnes C. Sweeney, B.A. (Queen's)Latin
A. C. Tuttle, B.Sc. (C.E.)Surveying
F. J. Turner, M.A. (Tor.), B.Com. (Tor.) Assistant Professor
George L. Vlassis, B.A. (Man.) M.A. (Wisc.)Greek
G. S. Watts, M.A. (Queen's) Economics
F. E. Whitworth, B.A. (Sask.), M.A., Ph.D. (Cal.) Psychology and
Philosophy
Morley E. Wilson, B.A. (Tor.) Ph.D. (Yale)Geology
J. M. Wyatt, M.A. (Tor.)
J. Perry Young, M.A. (Queen's), D.és L. (Bordeaux) French

Summary of Courses Offered

1. Following Junior Matriculation (Ontario Grade XII or its equivalent) Carleton College offers day or evening instruction in the first and second years, and day instruction in the third and fourth years, of four-year Pass courses leading to the degrees of:

Bachelor of Arts (see p. 25). Bachelor of Science (see p. 34). Bachelor of Commerce (see p. 42). Bachelor of Journalism (see p. 44).

Following Junior Matriculation (of at least Second Class standing) the College offers day or evening instruction in the first and second years, and day instruction in the third, fourth and fifth years of five-year courses leading to the degrees of:

Bachelor of Arts with General Honours (see p. 25). Bachelor of Arts with Specific Honours (see p. 25). Bachelor of Science with Specific Honours (see p. 34).

- 2. Following Senior Matriculation (Ontario Grade XIII or its equivalent), the College offers day instruction in the first and second years of Applied Science and Engineering. By arrangement with McGill University, recommended students who have completed these courses will be admitted to the Third Year of the Faculty of Engineering at McGill (see pp. 17-18, 38-41).
- 3. Upon completion of prescribed work in Public Administration, students may qualify themselves for:

The degree of Bachelor of Arts with Certificate in Public Administration (four years). See p. 31.

The degree of Bachelor of Arts with Honours in Public Administration (five years). See pp. 31, 32-34.

Graduates of recognized universities or colleges may be admitted to a Course leading to the separate award of the Certificate of Public Administration (ordinarily two years). See pp. 31, 34.

4. In the Department of General Education, non-credit courses in subjects of cultural and vocational value are open without specific admission requirement. See the special bulletin issued by the Department of General Education.

EVENING CLASSES

At present, classes in the Pass Course leading to the Bachelor of Arts degree and to the Certificate in Public Administration are available in the evenings.

These classes are regularly held from 7.30 to 9.30 one evening a week, with additional laboratory time in the science classes. The academic year for evening classes is four weeks longer than that for day classes.

A student engaged in full time employment during the day will not be allowed to register in more than two courses except by permission of the Committee on Studies.

Admission Requirements

(Important: For Reduced Admission Requirements for Discharged Service Personnel enquire at the Registrar's Office.)

Application for admission should be made in the summer months to ensure early determination of standing.

Forms of application for admission may be obtained at the Registrar's Office. The completed application when submitted should be accompanied by matriculation or other certificates. The certificates will be returned when the applicant's standing has been determined.

FIRST YEAR

- I. JUNIOR MATRICULATION: A candidate for admission to the First Year in Courses leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce or Bachelor of Journalism must present the Ontario Secondary School Graduation Diploma in the General Course (Grade XII) showing that he has obtained the required standing in the following subjects:
 - 1. English
 - 2. Mathematics (Algebra and Geometry)
 - 3. History
 - 4. A language other than English
 - A Science (Physics and Chemistry; or Agriculture Parts I and II)
 - Any one of: an additional language, Music, Art, Household Science, Commercial Work, Geography.
- II. EQUIVALENT EXAMINATION: The following certificates, recognized as equivalent to the Ontario Secondary School Graduation Diploma, may be accepted for admission to First Year if the subjects taken meet the requirements set out in the preceding paragraph:

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New Brunswick	Junior Matriculation
Newfoundland	Associate (Junior)
Nova Scotia	Grade XI (average 60, minimum
	50)
Prince Edward Island	First Class License; or Second Year
	Certificate from Prince of
	Wales College
Quebec	.The Quebec High School Leaving
	Certificate; McGill Junior
	Matriculation
Saskatchewan	Grade XI.

SECOND YEAR

1. SENIOR MATRICULATION: A candidate for admission to Second Year must have passed the examinations of First Year, of Ontario Grade XIII, or the equivalent examinations of other recognized examining bodies in the following subjects:

For the Course leading to the degree of Bachelor of Arts,

1. English Composition and Literature

2. Latin or Mathematics (two of Algebra, Geometry, Trigonometry)

3. A language other than English

4. A Science (Physics or Chemistry or Biology).

5. An additional subject.

In special circumstances a language may be offered instead of the Science requirement on condition that the Science subject must be taken in a subsequent year.

For the Course leading to the degree of Bachelor of Science,

1. English Composition and Literature

2. Mathematics (Algebra, Geometry and Trigonometry)

3. A language other than English.

4. Two of: Physics Chemistry Biology

For the Course leading to the degree of Bachelor of Commerce,

1. English Composition and Literature

2. Mathematics (Algebra, Geometry and Trigonometry)

3. A modern language other than English

4. A Science (Physics or Chemistry or Biology)

5. An additional subject.

For the Course leading to the degree of Bachelor of Journalism,

- 1. English Composition and Literature
- 2. Latin or Mathematics (two of Algebra, Geometry, Trigonometry)
- 3. A modern language other than English
- 4. History
- 5. A Science (Physics or Chemistry or Biology).

In special circumstances a language may be offered instead of the Science requirement on condition that the Science subject must be taken in a subsequent year.

II. EQUIVALENT EXAMINATION: The following certificates, recognized as equivalent to the Ontario Grade XIII certificate in the subjects in which at least 50% has been made in each paper, may be accepted for admission to Second Year if the subjects taken meet the requirements set forth in the preceding paragraphs.

Alberta	Senior Matriculation (Grade XII)
British Columbia	Senior Matriculation (Grade XIII)
Manitoba	First Class
New Brunswick	Grammar School or First Class
	Licenses
Newfoundland	Associate (Senior Grade)
Nova Scotia	Grade XII
Prince Edward Island	.Honour Diploma of Third Year,
	Prince of Wales College
Quebec	Senior High School Leaving Certif-
	cate; McGill Senior Matricu-
	lation
Saskatchewan	.Grade XII.

FIRST YEAR OF APPLIED SCIENCE AND ENGINEERING

The requirements for admission to the First Year of Applied Science and Engineering are as follows:

- I. The Ontario Secondary School Graduation Diploma in the General Course (Grade XII) showing that the candidate has obtained the required standing in the following subjects:
 - 1. English
 - 2. Mathematics (Algebra and Geometry)
 - 3. History
 - 4. A language other than English

- 5. Science (Physics and Chemistry; or Agriculture Parts I and II)
- 6. Any one of: an additional language, Music, Art, Household Science, Commercial Work, Geography.
- II. Evidence that the candidate has passed the examinations of First Year Arts at Carleton College, the examinations of Ontario Grade XIII, or the equivalent examinations of other recognized examining bodies, in the following subjects:
 - 1. English Composition and Literature
 - 2. Mathematics (Algebra, Geometry, including Analytic Geometry, and Trigonometry) with not less than Second Class standing
 - 3. Physics
 - 4. Chemistry
 - 5. One of: Latin, Greek, French, German, Spanish, Italian, History, Biology (Botany and Zoology).

NOTE: Students intending to proceed to the University of Toronto in the Faculty of Applied Science and Engineering are required to include one language in addition to English.

SECOND YEAR OF APPLIED SCIENCE and ENGINEERING

Students who have successfully completed the work of First Year in Applied Science and Engineering may apply for admission to the Second Year.

Fees

Tuition Fees

Day Courses

1. All day courses ex Engineering:	xcept those	in Applied	Science and		
			per week*	\$	10.00
* *			ur per week*		5.00
e.g. A full-time B.Sc. programme bination such as t	would take	e five cours			
h	ours h	Laboratory- lours per veek	***30.00		
Totals 2. Courses in Appli (a) Lecture and		_	_		
per year				2	250.00
(b) Summer surv EVENING COURSES	ey camp,	per year			25.00
1. All evening cou of General Educ (a) For each	ation:		Department		
for two ter	ms		ur per week*		15.00
for two ter	ms				7.50
h	ecture- I	g two cour. Laboratory- lours per Veek	ses:		
French Biology	2 2	2	\$30.00 45.00		
Totals			.5.00		

Courses in the Department of General Education— Fees to be announced.

*Information regarding the number of lecture-hours and laboratory-hours scheduled for each course may be obtained from the Registrar.

(a) To be paid by every full-time student, each

MISCELLANEOUS FEES

CAUTION MONEY DEPOSIT

year	5 10.00
(b) To be paid by every part-time student taking one or more courses involving the use of laboratory equipment, each year	5.00
Note: At the close of each academic year, caution money deposits, less deductions for charges and breakages (if any), will be returned.	
Examination Fees	
(a) Supplemental examination, at Carleton College, per paper	3.00
Supplemental examination, elsewhere, per	
paper	5.00
(b) Special examination, per paper	5.00
Graduation Fees	

STUDENTS' ASSOCIATION FEES

DENTS ASSOCIATION FEES	
(a) Full-time students, per year	8.00 2.00
iviaximum ice, ψ 5.00)	

10.00

5.00

Fees are due in full on registration, but by permission may be paid in two instalments—one-half the total tuition fee, plus caution money deposit and Students' Association fee, on registration; the balance (one-half the total tuition fee), not later than January 19, 1948.

(a) Graduation with degree

(b) Graduation with certificate or diploma

Withdrawal and Refund

(Applicable to all students in Carleton College)

Students who are forced to withdraw from a course, or from the College, are required to notify the Registrar in writing and to give their reasons for withdrawal. As the College assumes the obligation of carrying the student throughout the year the student registers, and provides the instruction and accommodation on a yearly basis, the Board of Governors has ruled as follows:

- (1) Application for withdrawal must be presented within thirty days after discontinuing attendance.
- (2) All tuition credits and refunds shall be made entirely at the pleasure of the College.
- (3) Credits or refunds will be granted only as follows:
 - (a) Cash refunds may be granted in cases where students are compelled to withdraw on account of serious and continued personal illness. The application must be accompanied by a certificate from a physician, satisfactory to the College.
 - (b) In case a student who is regularly employed during the day is sent out of the city permanently by his employer or compelled so to change his working hours as to prevent his continuing at the College, a refund may be granted, provided the application is accompanied by a statement from the employer, satisfactory to the College.
- (4) Tuition not refunded or used may, if a certificate of credit is secured from the Bursar, be applied upon subsequent courses pursued in the College, provided such courses are taken within two years of the date of withdrawal of the student.

0.

General Regulations

- 1. A student's standing in his year's work will be determined not only by the results of mid-year and final examinations but also by the work of the whole term or session, including consideration of class tests, laboratory work, essays, attendance, progress and any other matters bearing on the candidate's worth as a student of the College.
- 2. The Faculty may, at any time, either during the term or after the close of the term, request any student to withdraw from the College if his conduct, attendance, work or progress is deemed unsatisfactory.
- 3. A student is required to attend all lectures, discussion groups, seminars and laboratory periods of any course in which he is registered, whether such periods of work are formally scheduled by the College Registrar or informally announced by the instructor. If during a term or session a student is absent from more than one-eighth of the required lectures, discussion groups, seminars and laboratory periods, he will be required to withdraw immediately from the course or courses in which his attendance is insufficient unless within seven days of receipt of such notice to withdraw he presents to the Committee on Studies satisfactory explanation of his absences.

A record of absences, based on monthly reports from instructors, is kept in the Registrar's Office and a student may ascertain the state of his own record there on any week-day during office hours.

4. Students with full matriculation who desire to begin work in Greek, German, Spanish or Russian may count course A in one or more of these subjects toward a Pass degree only on condition that course 1 is taken in a subsequent year.

Students without full matriculation who use an A course in a language to remove an entrance condition may not count this course as a credit toward a degree.

Courses A and 1 may not be substituted for courses 1 and 2 where the latter are definitely prescribed.

MID-YEAR AND FINAL EXAMINATIONS

- 5. Mid-year and final examinations are held in all courses. The midyear examinations are held early in January, the final examinations in April and May. (See The Academic Year, p. 3).
- 6. A student who fails to write the mid-year or final examinations in any course must make satisfactory explanation to the Committee on Studies not later than one week after the day on which the examination was held. Failure to present a satisfactory explanation will result in a refusal to that student of any credit or marks in the course in which the examination was missed.

- 7. A student who, because of illness, has failed to write the mid-year or final examination in any course may, upon presentation to the Committee on Studies of a satisfactory certificate from his attending physician or surgeon, apply for aegrotat standing or for permission to write a supplemental examination.
- 8 No candidate shall be admitted to an examination room more than thirty minutes after the beginning of the examination.
- 9. No candidate shall be permitted to take any books or papers into an examination room except by express direction of the instructor in charge of the examination room.

SUPPLEMENTAL EXAMINATIONS

- Supplemental examinations are ordinarily held in the last week of August and the first week of September.
- 11. No supplemental examinations are given in courses beyond the first three courses of a Major or Minor subject for the Specific Honours B.A. or B.Sc. degree.
- 12. No supplemental examinations are given in courses beyond the first three courses in a continuation subject for a General Honours B.A. degree.
- 13. If not affected by Regulations 11, 12 or 15, a student who fails a subject may be admitted to a supplemental examination in late August or early September. If this examination is not passed, the student will be required to repeat the course before coming up for examination in that course in any subsequent year.
- 14. A student who does not write the final examination in any course is not eligible to write the supplemental examination except by permission of the Committee on Studies. See also Regulations 6 and 7.
- 15. A student taking five subjects who fails in more than two subjects will not be permitted to write supplemental examinations and will be considered to have lost his year. A student taking fewer than five subjects who fails in more than one subject will not be permitted to write supplemental examinations.
- 16. A student who fails his year will retain credit only in those subjects in which he may have obtained Second Class standing.
- A student who has been granted permission to rewrite a subject for higher standing must do so within one calendar year after first passing that subject.

SPECIAL EXAMINATIONS

18. A student who, for any reason, has not written a mid-year or final examination on the appointed date may be required to take a special examination.

Degrees and Courses of Study

Courses of study are offered leading to the four degrees:

Bachelor of Arts (See p. 25).

Bachelor of Science (See p. 34).

Bachelor of Commerce (See p. 42).

Bachelor of Journalism (See p. 44).

Students completing the prescribed requirement of the First and Second Years in the degree courses will be entitled to receive upon request a Junior College Graduation Certificate of Associate in Arts (A.A.).

A Certificate in Public Administration is awarded to students who successfully complete within the B.A. Course prescribed studies in Public Administration subjects. The certificate is also awarded to students who, having obtained the B.A. degree, thereafter complete prescribed studies in Public Administration subjects. (See pp. 31 and 34).

A Diploma in Applied Science and Engineering is awarded upon successful completion of the First and Second Years in Applied Science and Engineering. (See pp. 17-18, 38-41).

Courses of Study Leading to the Degree of B.A.

Candidates for the degree of Bachelor of Arts will be enrolled in one of the following Courses:

The Pass Course

The General Honours Course

The Specific Honours Course.

THE PASS COURSE: The work of the Pass Course covers four academic years from Junior Matriculation, or three academic years from Senior Matriculation or from the successful completion of the First Year. (See requirements for the Pass B.A. degree, below).

THE GENERAL HONOURS COURSE: The Work of the General Honours Course covers five academic years from Junior Matriculation or four from Senior Matriculation or from the successful completion of First Year.

This Course in its requirement of an extra year in comparison with the Pass Course, in its requirement of a higher standard of work, and in its requirement that a candidate must take four classes in each of three separate fields of study, is designed to issue in a General Honours B.A. degree equal to the Specific Honours B.A. in the quantity and quality of its work.

The General Honours Course offers an opportunity to the student of good ability who wishes to undertake studies in a wider range of subjects than would be open to him in a Specific Honours Course. (See requirements for the degree of B.A. with General Honours, pp. 27-29).

THE SPECIFIC HONOURS COURSE: The work of the Specific Honours Course covers five academic years from Junior Matriculation or four from Senior Matriculation or from successful completion of First Year.

The Specific Honours Course is characterized by strict prescription of studies and high standards of performance, more especially within those Departments in which major and minor subjects have been selected. The Specific Honours Course differs from the General Honours Course not in the quantity or quality of its work but in its intensity of specialization. (See Requirements for the degree of B.A. with Specific Honours, pp. 29-30).

REQUIREMENTS FOR THE PASS B.A. DEGREE

Admission to the First Year of the Course leading to the Pass B.A. degree is by Junior Matriculation (See pp. 15-16). For the requirements for admission to the Second Year of the course leading to the Pass B.A. degree, (See pp. 16-17).

Candidates for the Pass B.A. degree must take a total of twenty courses in four years if admitted by Junior Matriculation, or fifteen courses in three years if admitted by Senior Matriculation.

No more than five courses may be taken in any academic year, unless by permission of the Committee on Studies.

A student's standing in his years' work will be determined not only on the results of mid-year and final examinations but also on the work of the whole term or session, including consideration of class tests, laboratory work, essays, attendance and progress.

A candidate must obtain complete standing in the First Year before registering in the Third Year, and complete standing in the Second Year before registering in the Fourth Year.

The standing in each course is graded as First Class, Second Class or Third Class. For First Class standing the candidate must obtain an average of at least 75%; for Second Class from 65% to 74%; and for Third Class, 50% to 64%.

To receive credit towards a degree the candidate must obtain at least Third Class standing in the work of each course.

In order to qualify for graduation a candidate must have completed at least three courses in each of three subjects, counting from the commencement of the Second Year. The choice of these three subjects shall be made at the beginning of the Third Year.

No candidate will be eligible for a degree who has not obtained at least Second Class standing in at least half of his work in Carleton College.

FIRST YEAR OF THE PASS B.A. COURSE

The First Year of the Course leading to the Pass B.A. degree will consist of courses selected from those listed under *Details of Subjects*, pp. 47-72, as follows:

- 1. English 1
- 2. Latin 1 or Mathematics 1 (two of Algebra, Geometry, Trigonometry)
- 3. A language other than English
- 4. A Science (Physics 1 or Chemistry 1 or Biology 1)
- 5. An additional subject.

Students intending to proceed to an Honours Course in a language and literature are advised to offer two languages other than English. The Registrar should be consulted in the choice of these languages.

In special circumstances a language may be submitted for the Science requirement on condition that the Science subject must be taken in a subsequent year.

Students without credit standing in Senior Matriculation or First Year History must take a course in History in a succeeding year.

SECOND YEAR OF THE PASS B.A. COURSE

The Second Year of the Course leading to the Pass B.A. degree will consist of courses selected from those listed under *Details of Subjects*. pp. 47-72, as follows:

- 1. English 2
- 2. A further year of work in a language studied in First Year
- 3. Philosophy 2, or Mathematics 2, or a further year of work in the Science subject studied in First Year
- 4. One of: Philosophy, Psychology, History, Economics, Political Science
- 5. An additional subject.

THIRD AND FOURTH YEARS OF THE PASS B.A. COURSE

Subject only to compliance with the Requirements for the Pass B.A. degree (pp. 25-26), students in the Third and Fourth Years may make up the total of courses required for the degree with any courses for which they possess the prerequisites. See Details of Subjects, pp. 47-72.

REQUIREMENTS FOR THE DEGREE OF B.A. WITH GENERAL HONOURS

Students who present certificates of full Junior Matriculation with at least Second Class standing may be enrolled in the First Year of the General Honours Course. Students who present certificates of full Senior Matriculation with at least Second Class standing, or who have attained at least Second Class standing in First Year, may be admitted to the Second Year of the General Honours Course. Students who have attained at least Second Class standing in the Second Year of the Pass Course may be enrolled in the Third Year of the General Honours Course if their subjects taken in First and Second Years meet the requirements of the General Honours Course.

Students who have attained at least Second Class standing in the Second and the Third Years of the Pass Course may be enrolled in the Fourth Year of the General Honours Course if their subjects taken in the First, Second and Third Years meet the requirements of the General Honours Course.

No student may move from the Pass Course into the General Honours Course carrying a "condition" in any subject of his previous years.

Candidates for the General Honours degree must take a total of twenty-five courses in five years if admitted by Junior Matriculation, or twenty courses in four years if admitted by Senior Matriculation.

Not more than five courses may be taken in any academic year, unless by permission of the Committee on Studies.

A student's Honours standing in any year's work will be determined by the Committee on Honours. In the determination of standing, the Committee on Honours will take into consideration not only the results of mid-year and final examinations, of class tests, laboratory work and essays, but also any other matters bearing upon the candidate's worth as a student.

The standing in each course is graded as First Class or Second Class. For First Class standing a candidate must obtain an average of at least 75% on the work of the course; for Second Class standing at least 65%.

The standing in each year is similarly graded. To receive credit towards the General Honours degree a candidate must obtain a standing of at least 65% on the year's work.

No student may be awarded First Class standing in any year's work if he has failed in any subject during the year. For the purposes of this regulation a supplemental examination does not erase the failure.

No student may be awarded a General Honours degree if he has failed in more than three subjects after his admission to Second Year. For the purposes of this regulation a supplementate examination does not erase a failure.

A candidate for the General Honours degree must obtain complete standing in the First, Second and Third Years before entering the Fifth Year.

Students who fail to obtain at least Second Class standing in any year must withdraw from the General Honours Course. Such students may apply for admission to the Pass Course and if accepted must fulfil the requirements of the Pass Course before presenting themselves for the Pass B.A. degree.

In order to qualify for graduation, a candidate for the General Honours degree must have completed at least four courses in each of three separate fields of study, counting from the commencement of the Second Year. The choice of these three fields of study shall be made at the beginning of the Third Year and shall be subject to the approval of the Committee on Studies.

Upon graduation a student in the General Honours Course who has attained First Class standing in the work of his entire course will be awarded

the degree of B.A. with First Class General Honours. A student who has attained Second Class standing in the work of his entire course will be awarded the degree of B.A. with Second Class General Honours.

REQUIREMENTS FOR THE DEGREE OF B.A. WITH SPECIFIC HONOURS

Admission to Specific Honours will be granted only with the consent of the Department in which the Major subject is to be taken.

Students who present certificates of full Junior Matriculation with at least Second Class standing may be enrolled in the First Year of a Specific Honours Course.

Students who present certificates of full Senior Matriculation with at least Second Class standing, or students who have attained at least Second Class standing in the First Year of the Pass or General Honours Courses, may be admitted to the Second Year of a Specific Honours Course.

Students who have attained at least Second Class standing in the work of the First and Second Years of the Pass or General Honours Courses may be admitted to Third Year of a Specific Honours Course.

Students who have obtained at least Second Class standing in the work of the First and Second Years of the Pass or General Honours Courses, and in the work of the Third Year of the General Honours Course, may be admitted to the Fourth Year of a Specific Honours Course.

No student carrying a condition in the Pass Course or in the General Honours Course will be admitted to a Specific Honours Course.

Students who fail in the regular examinations of more than one subject after admission to the Second Year of the Pass or General Honours Courses will not be admitted to a Specific Honours Course. For the purposes of this regulation, a supplemental examination does not erase a failure.

A candidate for Specific Honours must, before the beginning of his Third Year, choose a Major subject or field of study and a Minor subject or field of study, and in these Major and Minor subjects or fields of study must take such courses as may be determined by the head of the Department in which he is to pursue his Major work. He must take at least four courses in the Minor subject or field of study.

The whole Course of a candidate for a Specific Honours degree must be in the beginning discussed with, and thereafter at every stage be approved by, the head of the Department in which the candidate chooses his Major subject or field of study. A student's Honours standing in any year's work will be determined by the Committee on Honours. In the determination of standing, the Committee on Honours will take into consideration not only the results of midyear and final examinations, of class tests. laboratory work and essays, but also any other matters bearing upon the candidate's worth as a student.

The standing in each course is graded as First Class or Second Class. For First Class standing a candidate must obtain an average of at least 75% on the work of the course; for Second Class standing at least 65%.

The standing in each year is similarly graded. To receive credit towards the Specific Honours degree, a candidate must obtain at least Second Class standing on the year's work.

No student may be awarded First Class standing in any year's work if he has failed in any subject during the year.

No student may be awarded Second Class standing in any year's work if he has failed in more than one subject during that year.

No student may be awarded the First Class Honours degree if he has failed in more than one subject during his entire Course.

No student may be awarded the Second Class Honours degree if he has failed in more than two subjects during his entire Course.

Students who fail to attain Honour standing in any year must withdraw from the Specific Honours Course. Such students may apply for admission to the Pass Course.

Upon the satisfactory completion of an entire Specific Honours Course, a candidate will be awarded the degree of Bachelor of Arts with First Class Honours or Second Class Honours in those subjects in which he has pursued his Major and Minor studies.

Courses in Public Administration

The following Courses are offered in the field of Public Administra-

- 1. A Course leading to the degree of BACHELOR OF ARTS WITH CERTIFICATE IN PUBLIC ADMINISTRATION. This is a Pass Course, the work in which covers four academic years from Junior Matriculation or three academic years from Senior Matriculation or from the successful completion of First Year. See Admission Requirements for the Course leading to the degree of Bachelor of Arts (pp. 15-16).
- 2. A Course leading to the degree of BACHELOR OF ARTS WITH HONOURS IN PUBLIC ADMINISTRATION. This is a Specific Honours Course, the work in which covers five academic years from Junior Matriculation or four from Senior Matriculation or from the successful completion of First Year. See Admission Requirements for the Course leading to the degree of Bachelor of Arts (pp. 15-16); see also Requirements for the degree of B.A. with Specific Honours (pp. 29-30).
- 3. A Course leading to the separate award of the CERTIFICATE IN PUBLIC ADMINISTRATION. This Course, the work in which covers two academic years, is open only to students who have already obtained the Bachelor of Arts or the Bachelor of Commerce degree from a recognized College or University. (See p. 34).

B.A. WITH CERTIFICATE IN PUBLIC ADMINISTRATION

A candidate proceeding to the Pass Degree of Bachelor of Arts may at the same time qualify for the Certificate in Public Administration by taking Political Science, Economics and Public Law as his continuation subjects and completing courses of study as follows:

Political Science 2	(Introduction to Political Science)
Political Science 3	(Comparative Government)
Political Science 6	(Introduction to Public Administration)
Political Science 10	(The State and Economic Life)
E	(D: :1 (E :)

Economics 2 (Principles of Economics)
Economics 3 Economic History and Geography)
Economics 8 (Money and Banking)

Public Law 1 (Elements of Public Law)
Public Law 2 (Constitutional Law)
Public Law 3 (Administrative Law)

Candidates in this Course must satisfy all Requirements for the Pass B.A. degree, pp. 25-26).

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B.A. WITH HONOURS IN PUBLIC ADMINISTRATION

Candidates for the degree of Bachelor of Arts with Honours in Public Administration must satisfy all Requirements for the degree of B.A. with Specific Honours, pp. 29-30.

The work of this Course involves prescribed studies in Political Science, Economics and Public Law, as follows:

First Year

The First Year of the Course leading to the degree of B.A. with Honours in Public Administration will consist of courses selected from those listed under Details of Subjects, pp. 47-72, as follows:

- 1. English 1
- 2. Latin 1 or Mathematics (at least two of Algebra, Geometry, Trigonometry; all three if the student intends to proceed in subsequent years to advanced work in Mathematics and Statistics)
- 3. A modern language other than English
- 4. A Science (Physics 1 or Chemistry 1 or Biology 1)
- 5. An additional subject.

Second Year

- 1. Political Science 2 (Introduction to Political Science)
- 2. Economics 2 (Principles of Economics)
- 3. Public Law 1 (Elements of Public Law)
- 4. A further year of work in a modern language studied in First
- 5. One of: English 2

Philosophy 2

Psychology 2

Accounting 2

Mathematics 2.

Third Year

- 1. Political Science 3 (Comparative Government)
- 2. Political Science 6 (Introduction to Public Administration)
- 3. Economics 3 (Economic History and Geography)

- 4. History 3 (History of Canada to 1791)
- 5. Public Law 2 (Constitutional Law)
- 6. One of: English

Philosophy

Psychology

Accounting

Mathematics

Fourth Year

- 1. Political Science 4 (Political Theory)
- 2. Political Science 7 (Civil Service Principles)
- 3. Economics 8 (Money and Banking)
- 4. Public Law 3 (Administrative Law)
- 5. One of: Psychology 3 (Applied Psychology)
 Psychology 4 (Psychology for Business)
- 6. One of: English
 Philosophy
 Psychology
 Accounting

Mathematics History

Fifth Year

- 1. Political Science 10 (The State and Economic Life)
- 2. Political Science 11 (Advanced Canadian Government)
- 3. Public Law 5 (International Law)
- 4. Public Law 4 (Drafting, Interpretation and Operation of Statutes, Regulations and Orders)
- 5. Two of: Economics 6 (Agricultural Organization)
 Economics 7 (International Trade)
 Economics 11 (Public Finance)
 Social Policy 1 (Social Legislation)
 Social Policy 2 (Labour Policy)

Statistics 1 (Introduction to Statistics)

6. One of: English
Philosophy
Psychology
Accounting
Mathematics
History

Special Requirements

Regularly throughout the Course, candidates will be required to prepare essays and memoranda on various special topics in the field of Public Administration.

Towards the end of the Fifth Year, each candidate must present a dissertation on some topic involving independent investigation. The topic should be chosen, in consultation with the Head of the Department, by the Third Year, and will be associated with the work of the three final years.

All candidates for the degree of B.A. with Honours in Public Administration will be required to show, by their final year, a reading knowledge of a modern language other than English.

THE CERTIFICATE IN PUBLIC ADMINISTRATION

Students who have already received the Bachelor of Arts or Bachelor of Commerce degree may be admitted to a Course leading to the separate award of the Certificate of Public Administration.

The required courses are those listed under Bachelor of Arts with Certificate in Public Administration, p. 31. Candidates may be given credit in from one to five of these courses if such courses have been included in their undergraduate work.

COURSES OF STUDY LEADING TO THE DEGREE OF B.Sc.

Candidates for the degree of Bachelor of Science will be enrolled in one of the following Courses:

The Pass Course
The Specific Honours Course.

THE PASS COURSE: The work of the Pass Course covers four academic years from Junior Matriculation or three academic years from Senior Matriculation. (See Requirements for the Pass B.Sc. degree, p. 35).

THE SPECIFIC HONOURS COURSE: The work of the Specific Honours Course covers five years from Junior Matriculation or four from Senior Matriculation or from successful completion of First Year.

The Specific Honours Course is characterized by strict prescription of studies and high standards of performance, more especially in those departments in which Major and Minor subjects have been selected. (See Requirements for the degree of B.Sc. with Specific Honours, pp. 36-37).

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REQUIREMENTS FOR THE PASS B.Sc. DEGREE

Admission to the First Year of the Course leading to the Pass B.Sc. degree is by Junior Matriculation (see page 15). For the requirements for admission to the Second Year of the Course leading to the Pass B.Sc. degree, see p. 16.

Candidates for the Pass B.Sc. degree must take a total of twenty courses in four years if admitted by Junior Matriculation, or fifteen courses in three years if admitted by Senior Matriculation, or if admitted upon successful completion of First Year.

Not more than five courses may be taken in any academic year, unless by permission of the Committee on Studies.

A candidate must obtain complete standing in the First Year before registering in the Third Year, and complete standing in Second Year before registering in the Fourth Year.

A student's standing in his year's work will be determined not only on the results of mid-year and final examinations but also on the work of the whole term or session, including consideration of class tests, laboratory work, essays, attendance and progress.

The standing in each course is graded as First Class, Second Class or Third Class. For First Class standing the candidate must obtain an average of at least 75%; for Second Class from 65% to 74%; and for Third Class, 50% to 64%.

To receive credit towards a degree a candidate must obtain at least Third Class standing in the work of each course.

In order to qualify for graduation a candidate must have completed at least three courses in each of three subjects, counting from the commencement of the Second Year. The choice of these three subjects shall be made at the beginning of the Third Year.

No candidate will be eligible for a degree who has not obtained at least Second Class standing in at least half of his work in Carleton College.

FIRST YEAR OF THE PASS B.Sc. COURSE

The First Year of the Course leading to the Pass B.Sc. degree will consist of courses selected from those listed under *Details of Subjects*, pp. 47-72, as follows:

1. English 1

2. Mathematics 1 (Algebra, Geometry and Trigonometry)

3. A language other than English

4. Two of: Physics Chemistry Biology

Students intending to proceed to an Honours B.Sc. are advised to consult the Registrar as to choice of language courses.

SECOND YEAR OF THE PASS B.Sc. COURSE

The Second Year of the Course leading to the Pass B.Sc. degree will consist of courses selected from those listed under Details of Subjects, pp. 47-72, as follows:

1. English 2

A further year of work in a language studied in First Year

3. Mathematics 2

4. Two other subjects chosen from among the Mathematics and Science subjects offered.

THIRD AND FOURTH YEARS OF THE PASS B.Sc. COURSE.

Subject only to compliance with the Requirements for the Pass B.Sc. degree, p. 35, students in the Third and Fourth Years may make up the total of courses required for the degree with any courses for which they may possess the prerequisites. See Details of Subjects, pp. 47-72.

REQUIREMENTS FOR THE DEGREE OF B.Sc. WITH SPECIFIC HONOURS

Admission to an Honours Course will be granted only with the consent of the Department in which the Major subject is to be taken.

Students who present certificates of full Junior Matriculation with at least Second Class standing may be enrolled in the First Year of a Specific Honours Course.

Students who present certificates of full Senior Matriculation with at least Second Class standing, or students who have attained at least Second Class standing in the First Year of the Pass Course may be admitted to the Second Year of a Specific Honours Course.

Students who have attained at least Second Class standing in the First and Second Years of the Pass Course may be admitted to the Third Year of a Specific Honours Course.

No student carrying a condition in the Pass Course will be admitted to a Specific Honours Course.

Students who fail in the regular examinations of more than one subject after admission to the Second Year of the Pass Course will not be admitted to a Specific Honours Course. For the purposes of this regulation, a supplemental examination does not erase a failure.

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A candidate for Specific Honours must before the beginning of his Third Year choose a Major subject or field of study and a Minor subject or field of study and in these Major and Minor subjects or fields of study must take such courses as may be determined by the Head of the Department in which he is to pursue his Major work. He must take at least four courses in the Minor subject or field of study.

The whole Course of a candidate for an Honours degree must be in the beginning discussed with, and thereafter at every stage be approved by, the Head of the Department in which the candidate chooses his Major subject or field of study.

A student's Honours standing in any years' work will be determined by the Committee on Honours. In the determination of standing, the Committee on Honours will take into consideration not only the results of mid-year and final examinations, of class tests, laboratory work and essays, but also any other matters bearing upon the candidate's worth as a student.

The standing in each Course is graded as First Class or Second Class. For First Class standing a candidate must obtain an average of at least 75% on the work of the course; for Second Class standing at least 65%.

The standing in each year is similarly graded. To receive credit towards an Honours degree a candidate must obtain at least Second Class standing in the year's work.

No student may be awarded First Class standing in any year's work if he has failed in any subject during that year.

No student may be awarded Second Class standing in any year's work if he has failed in more than one subject during that year.

Students who fail to obtain Honours standing in any year must withdraw from the Honours Course. Such students may apply for admission to the Pass Course.

No student may be awarded a First Class Honours degree if he has failed in more than one subject during the entire Course.

No student may be awarded a Second Class Honours degree if he has failed in more than two subjects during his entire Course.

Upon the successful completion of an entire Specific Honours Course a candidate will be awarded the Degree of Bachelor of Science with First Class Honours or Second Class Honours in those subjects in which he has pursued his Major and Minor studies.

Engineering

SYLLABUS OF STUDIES

First Year - All Courses

SUBJECT	Lecture Hours Per Week			
	First	Second	First	Second
	Term	Term	Term	Term
English	1	1	0	0
Mathematics 4a				
and 4b	3	3	0	0
Mathematics 5		3	0	0
Physics 2a and 2		3	2	2
Chemistry 3	_	2	ī	ĩ
Mechanics		2	'n	2
	2	4	U	2
Engineering	0	0	2	2
Problems	0	U	3	3
Descriptive				
Geometry	0	0	4	4
Mechanical				
Drawing 1	0	0	3	3
Surveying	1	1	3	0
Surveying				
Field Work*	1	1	3	0
- 1014		•		
	15	15	16	15
	1,5	.,,		

*A summer survey school of 4 weeks' duration in May or September.

Second Year - Civil, Mechanical, Electrical

Economics 4	2	2	0	0
Mathematics 6	3	3	0	0
Materials of				
Engineering Mechanical	0	2	0	0
Drawing 2		0	. = 3	3
Applied Mechanics	2	2	2	2

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SUBJECT	Lecture Ho First Term	urs Per Week Second Term	Laboratory H First Term	ours Per Week Second Term
Mechanics of				
Machines	2	0	2	0
Physics 3a				
and 3b	2	2	3	3
Geology 2	2	2	2	2 3
Surveying	1	1	3	3
Engineering				
Problems	0	0	1	2
Chemistry 5	2	2	0	0
Heat Engines,				
Elementary	0	1	0	0
				direct fulfille recognise
	16	17	16	15

Details of Subjects

English. The expression of ideas and the compilation and writing of reports and letters; technical exposition; the necessity of accurate expression in professional writings; the value of reading.

Economics 4. (See p. 51).

Mathematics 4a. Algebra. (See p. 61).

Mathematics 4b. Analytic Geometry. (See p. 61).

Mathematics 5. Calculus. (See p. 61).

Mathematics 6. Calculus. (See p. 61).

Mathematics 7. Spherical Trigonometry. (See p. 61).

Physics 2a. Properties of Matter. (See p. 63).

Physics 2b. Wave Motion. (See p. 63).

Physics 3a. Elementary Electricity. (See p. 63).

Physics 3b. Advanced Electricity. (See p. 63).

Chemistry 3. Physical Chemistry. (See p. 49).

Chemistry 5. Chemistry of Engineering Materials. (See p. 50).

Mechanics:

Statics—Fundamental principles of the laws of equilibrium of forces: application to the determination of stresses in simple structures.

Dynamics—General equations of motion; work, energy and momentum, angular momentum, simple harmonic motion.

Applied Mechanics:

Texts: Girvin—Applied Mechanics; Angus—Hydraulics.

Statics—Coplanar, concurrent, parallel, and non-concurrent force systems. Graphically and mathematically. Flexible cables; friction, centroid; centres of gravity, moments of inertia.

Dynamics—Kinematics of a rigid body; curvilinear motion; rotation; work, energy and power; impulse and momentum.

Hydraulics—Fluid properties; fluid statics; pressure, density, height relationships. Measurement of pressure intensity; fluid thrust in submerged surfaces. Buoyancy and flotation.

- Engineering Problems. Working out problems under supervision.

 The problems are based on the current work in the classes.
- Descriptive Geometry. The principles of orthographic and oblique projections and applications to the solution of problems relating to straight lines and planes.
- Mechanical Drawing 1. Freehand orthographic and pictorial sketching and lettering; instrumental geometrical drawings, auxiliary views, sections, dimensioning, working drawing, assembly drawing, tracing, checking and blue printing, also work on projection with lines and planes. Problems in descriptive geometry. Graphical and analytical solutions of problems in applied mechanics. Problems in mathematics (Analytic Geometry and Calculus).
- Mechanical Drawing 2. Conventions, sections, assembly drawings; use of references.
- Heat Engines-—Elementary. History and development of heat engines. principles, description of mechanical and thermal features.
- Text: Allcut—An Introduction to Heat Engines.
- Surveying. General principles and practice of surveying with the chain, transit and level. Field work.
- Mechanics of Machines. Displacement, velocity, acceleration, instant centres, velocity and acceleration in plane motion, slide crank, cams, rolling contact, tooth gearing, involute teeth, gear trains, belt length, general principles for belts, special mechanics. crank effort.

Text: Guillet — Kinematics of Machines.

Materials of Engineering.

Part I — Description. Manufacture of iron and steel, nonferrous metals and alloys; wood, stone and brick, concrete, plastics, rubber.

Text: Moore - Materials of Construction.

Part II — Strength of Materials. Resistance, elasticity, stress, strain, tension, compression, torsion, bending

Text: To be announced.

Geology 2. A course of general geology with laboratory and field work.

Text: Longwell, Knopf, Flint, Schubert & Dunbar — Outlines of Geology.

Course of Study Leading to the Degree of B.Com.

The Course leading to the degree of Bachelor of Commerce covers four academic years from Junior Matriculation, or three academic years from Senior Matriculation or from successful completion of First Year. For Junior Matriculation requirements see p. 15; for Senior Matriculation requirements, p. 16.

A candidate who fails to obtain at least Second Class standing in the specifically Commerce subjects of the Second or any subsequent year will be required to withdraw from the Commerce Course.

Not more than five courses may be taken in any academic year, unless by permission of the Committee on Studies.

A candidate must obtain complete standing in First Year before registering in the Third Year, and complete standing in the Second Year before registering in the Fourth Year.

A student's standing in his work will be determined not only on the results of mid-year and final examinations but also on the work of the work of the whole term or session, including consideration of class tests, laboratory work, essays, assignments, attendance, progress, and any other matters bearing upon the candidate's worth as a student of Commerce.

The standing in each course is graded as First Class, 75% or higher; Second Class, 65% to 74%; or Third Class, 50% to 64%.

No student may be awarded First Class standing in any year's work if he has failed in any subject during that year.

No student may be awarded Second Class standing in any year's work if he has failed in more than one subject during that year.

Upon the successful completion of the entire Course a candidate will be awarded the Degree of Bachelor of Commerce.

First Year Commerce

- 1. English 1.
- 2. Mathematics 1 (Algebra, Geometry and Trigonometry)
- 3. History 1
- 4. French or another modern language
- 5. A science (Physics or Chemistry or Biology)

Second Year Commerce

- 1. English 2
- 2. Mathematics 2
- 3. Accounting 2
- 4. Economics 2
- A further year of work in the modern language taken in First Year.

Third Year Commerce

- 1. Commercial Law
- 2. Accounting 3
- 3. Economics 3
- 4. Economics 8
- Mathematics 3a (Half-course in First Term)
 Mathematics 3b (Half-course in Second Term).

Fourth Year Commerce

- 1. Statistics (Half-course in First Term)
 Principles of Marketing (Half-course in Second Term)
- 2. Business Finance
- Three courses in Economics or Commerce subjects.

Course of Study Leading to the Degree of Bachelor of Journalism

The Course in Journalism is based on the assumption that education for Journalism must provide

- 1. General social intelligence
- 2. Specific knowledge of social, fiscal, industrial and political problems
- 3. An intelligent comprehension of the responsibilities of the writer and journalist to modern society
- 4. Necessary technical skills.

ADMISSION AND LENGTH OF COURSE

The work of the Course in Journalism covers four academic years from Junior Matriculation, or three academic years from Senior Matriculation or from successful completion of First Year. For Junior Matriculation requirements, see p. 15; for Senior Matriculation requirements, p. 17.

ADMISSION TO ADVANCED STANDING. Undergraduates or graduates applying for admission to advanced standing with allowances on credits gained at their original College or University may be admitted to the Third or to the Fourth Year if their academic record is accepted as at least equivalent to the completion of Second or Third Year Journalism in Carleton College. Normally, such applicants should offer standing in two of the three subjects, Psychology, Economics and Political Science in their previous work. Credits for courses previously taken will be arranged on application in each individual case, but in no case shall credits obtained at another institution be accepted for any of the last five classes offered by a candidate for the Bachelor of Journalism degree.

REQUIREMENTS FOR THE B.J. DEGREE

Candidates for the Bachelor of Journalism degree must take a total of twenty courses in four years if admitted by Junior Matriculation, or fifteen courses in three years if admitted by Senior Matriculation.

Not more than five courses may be taken in any academic year, unless by permission of the Committee on Studies.

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A student's standing in his year's work will be determined not only on the results of mid-year and final examinations but also on the work of the whole term or session, including consideration of class tests, laboratory work, essays, assignments, attendance, progress, and any other matter bearing upon the candidate's worth as a student of Journalism.

A candidate must obtain complete standing in the First Year before registering in the Third Year; and complete standing in the Second Year before registering in the Fourth Year.

The standing in each course is graded as First Class, Second Class or Third Class. For First Class standing the candidate must obtain an average of at least 75%; for Second Class from 65% to 74%; and for Third Class, 50% to 64%.

To receive credit toward a degree the candidate must obtain at least Third Class standing in the work of each course.

No candidate will be eligible for a degree who has not obtained at least Second Class standing in at least half of his work in Carleton College.

The Course leading to the degree of Bachelor of Journalism will consist of subjects selected from those listed under *Details of Subjects*, pp. 47-72, as follows:

First Year Journalism

- 1. English 1
- 2. French 1 or another language
- 3. History 1
- 4. Latin 1 or Mathematics 1 (two of Algebra, Geometry, Trigonometry)
- 5. A Science (Physics 1 or Chemistry 1 or Biology 1).

Second Year Journalism

- 1. English 2
- 2. French 2, or a further year of work in another language
- 3. History 2, 3 or 4
- 4. Psychology 2
- 5. One of: Economics 2
 Political Science 2
 Philosophy 2

Third Year Journalism

- 1. Journalism 3
- 2. Journalism 5
- 3. Social Policy 1 or 2.
- 4. One of: Economics 2 if not taken in Second Year Political Science 2, if not taken in Second Year
- 5. One of: Economics 3, 5 or 6, if Economics 2 has been previously taken

Political Science 3 or 4, if Political Science 2 has been taken

An approved option.

Fourth Year Journalism

- 1. Journalism 1
- 2. Journalism 2
- 3. Journalism 4
- 4. One of: Economics 3, 5 or 6, if Economics 2 has been previously previously taken
 Political Science 3 or 4, if Political Science 2 has been previously taken
- 5. One of: Social Policy 1 or 2, whichever was not taken .a

Third Year

An approved option.

Details of Subjects

(In the evening classes of the First Year, the courses are those prescribed for Grade XIII in the Secondary Schools of Ontario.)

ACCOUNTING

Sessional Lecturers — H. N. Corbett, B.Com. Wilbur F. Chown, B.A., C.A.

- Note: Accounting 2, Accounting 3 and Accounting 4 are recognized by the Society of Industrial and Cost Accountants of Ontario as credits towards the certificate of Registered Industrial and Cost Accountant (R.I.A.). For details consult Mr. R. Hartin, C.A., George A. Welch and Company, 213 Laurier Ave. W., Ottawa, Tel. 2-2484.
 - 2. ELEMENTARY ACCOUNTING. The theory and practice of accounts. The principles of debit and credit; books of original record; documents employed, sales, purchases, consignments; returns inward and returns outward, correction of errors. Subsidiary ledgers and controlling accounts to represent them in the general ledger; special forms of original record required to facilitate such control; notes and drafts, discounting and renewal of notes; single entry; revenue and capital expenditure; depreciation of fixed assets; the general ledger and trial balance; adjusting and closing entries; trading and profit and loss statements and balance sheet; single proprietorship; elements of corporation finance.

Text: Walker—Accounting Principles and Bookkeeping Procedure. H. N. Corbett

- 3. INTERMEDIATE ACCOUNTING. (formerly Accounting 100). A study of the theory and practice of accounts, with specific attention to their application to the corporate form of business organization. The latter portion of the course will be devoted to an examination of special accounting problems.
 - Text: Smails and Walker—Accounting Principles and Practice (fifth edition, Ryerson); Paton—Essentials of Accounting (Macmillan); Finney—Principles of Accounting, Vols. I and II. (Prentice-Hall).

Prerequisites: Mathematics 1 or its equivalent.

Accounting 2 or its equivalent.

4. ADVANCED ACCOUNTING AND AUDITING. (formerly Accounting 101). The early part of the course is designed to provide for advanced

work in the field of accounting theory followed by the examination of specific problems in e.g., capital and revenue receipts and expenditures; valuation and depreciation of fixed assets; inventory control and valuation, costing procedures; consolidations; income and excess profit taxes; the construction, analysis, and interpretation of financial statements.

The latter part of the course will be devoted to a study of the systems of internal check, the functions of internal and external auditors, and audit procedure generally.

To profit from the instruction, students should have a knowledge of double entry bookkeeping, including the preparation of operating statements and balance sheets.

Texts: Paton and Littleton—An Introduction to Corporate Accounting Standards (American Accounting Association); Paton—Essentials of Accounting, Vols. I and II; Smails and Walker—Accounting Principles and Practice (Ryerson); Montgomery—Auditing Theory and Practice (Ronald).

Prerequisites: Accounting 3 or its equivalent. Economics 2 or its equivalent.

W. F. Chown

5. GOVERNMENT ACCOUNTING AND FINANCE. (formerly Accounting 102). A study of the financial administration and organization of the Dominion Government, including the preparation, legalization and execution of the budget; the authorization and collection of revenues; government borrowing and public debt; parliamentary appropriations; the disbursement of public moneys; the audit of the public accounts; the financial functions of Parliament; the Committees of Supply and Ways and Means; the Governor in Council; the Treasury Board; the Receiver General and Minister of Finance; the Department of Finance and the Comptroller of the Treasury; the Bank of Canada; the Auditor General; and the Public Accounts Committee. The course will include some reference to the financial administrative practices of other countries.

Not offered in 1947-48.

BIOLOGY

Sessional Lecturers — L. R. Merkley, M.A., B.Paed. H. H. J. Nesbitt, B.A., Ph.D. Florence H. Armstrong, M.Sc., Ph.D.

1 A comprehensive scientific study of plants and animals, designed to illustrate the principles governing the life and development of organ-

The course of development is traced through the main groups of plants and animals and an effort is made to demonstrate the relationship of animals to plants, the interrelationship of the various groups of animals, and man's place in nature.

Text: Mayor - General Biology.

Reference Texts: Hegner-College Zoology. Brown-The Plant Kingdom Transeau, Sampson and Tiffany-Textbook of

Botanu.

2. A more advanced course devoted exclusively to zoology. course deals with the comparative anatomy and development of the various systems of vertebrate and invertebrate animals, with special attention to mammalian anatomy. It is designed primarily as an introduction to general or medical zoology.

Text: Grove and Newell-Animal Biology.

Reference Texts: Neal and Rand—Comparative Anatomy Hyman —Comparative Vertebrate Anatomy.

3. Introduction to Human Physiology. The functioning of living organisms with special reference to human physiology. An introductory lecture course dealing with the functioning and organization of living matter in single cells and in the complex integrated organism. Audiovisual aids will be used throughout the course.

Reference Texts: R. W. Gerrard—Unresting Cells. Taylor-The Human Body.

CHEMISTRY

Assistant Professor — J. M. Morton, M.Sc., Ph.D. Sessional Lecturer — C. Y. Hopkins, M.A., Ph.D. Sessional Lecturer - V E. Bullock, M.A.

- W. H. Ellis, B.A. Demonstrator

- 1. GENERAL CHEMISTRY. The chemistry of the more important nonmetals and metals and their compounds. The fundamental laws and principles of chemistry are emphasized. Three hours of lectures and three hours of laboratory each week.
- ORGANIC CHEMISTRY. An introductory course in organic chemistry dealing with the main classes of organic compounds. Both theoretical and practical aspects are considered. The laboratory work provides practice in the basic processes of synthesis and purification of organic compounds.
- 3. PHYSICAL CHEMISTRY. An introductory course in physical chemistry covering the states of matter, the laws of solutions, hydrogen ion

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concentration, thermochemistry and atomic structure. This course is intended for students in first year Engineering. Problems to illustrate the laws of chemistry and to give practice in dealing with conversion from the metric to the usual units of chemical engineering practice will be assigned.

Three hours of lectures each week.

- 4. ORGANIC ANALYSIS. The principles of analysis and identification of organic compounds (excluding micro-analysis). The course is mainly devoted to laboratory work and includes qualitative determinations of the elements and groups, together with some of the simpler quantitative methods; preparation of derivatives; physical properties.
- 5. CHEMISTRY OF ENGINEERING MATERIALS. This course is for second year Engineering students. It deals with the materials of engineering, water treatment, corrosion, organic compounds, fuels, rubber, plastics and explosives.

 Two hours of lectures each week.
- 6. QUALITATIVE ANALYSIS. The fundamental principles of chemistry as applied to the methods of qualitative analysis.

 Three hours of lectures and three hours of laboratory each week.
- 7. QUANTITATIVE ANALYSIS. A course in quantitative analysis to cover the fundamental methods of volumetric and gravimetric analysis.

 Two hours of lectures and six hours of laboratory each week.

ECONOMICS

Assistant Professor

F. J. Turner, B.Com., M. A.

Sessional Lecturers

- F. J. Alcock, Ph.D.

W. E. Duffett, M.Sc. (Econ.)

Claude Isbister, Ph.D.

R. W. Lawson, M.A.

Frank Shefrin, B.S.A., M.S.

A. G. Steinberg, M.A., B.Com.

G. S. Watts, M.A.

J. W. Willard, M.A., A.M., M.Pub. Admin.

2. Principles of Economics. Markets and equilibrium price. Wants and demand schedules; production, costs and supply schedules. Competition and monopoly. The agents of production; their controllable and non-controllable characteristics, and their market prices. Interdependence of prices and role of the price system. Income and its distribution; money and changes in its purchasing power. Elements of business cycles.

- 3. ECONOMIC HISTORY AND GEOGRAPHY.
- 4. ECONOMICS FOR ENGINEERING STUDENTS. An introduction to the study of Economics with special reference to the problems of the Canadian economy.
- 5. NATURAL RESOURCES OF CANADA. (formerly Economics 100). Forest, mineral and water; character and distribution; development, utilization and conservation; problems and policies; special attention will be given to the problems of development in Canada's Northland. Prerequisite: Economics 2 or its equivalent.
- 6. AGRICULTURAL ORGANIZATION AND POLICY. (formerly Economics 101). The economic organization of Canadian agriculture; the position of agriculture in the Canadian economy and the impacts on it of government policy and international trade.

 Prerequisite: Economics 2 or its equivalent.

Recommended: Economics 5.

7. INTERNATIONAL TRADE. (formerly Economics 102). It is the aim of this course to provide the student with a wide working basis. The first half of the course deals with the mechanics of international trade, the foreign exchange market, bills of exchange, the balance of payments, tariffs, foreign exchange control, etc. Attention is then turned to the theory of international trade, from the more primitive concepts down to the recent analytical structures. Throughout the balance of the course some attention will be given to special studies of topical interest. But the primary aim is to put to practical use the knowledge of the mechanics and theoretical tools of international trade gained earlier in the course, through an interpretation of several phases of Canadian economic history relating to the international field. Prerequisites: Economics 2 and Economics 3 or their equivalent.

Recommended: Economics 8.

Statistics 1 or 2.

8. Money and Banking (formerly *Economics 103*). The theory and practice of banking and finance, with specific reference to the purposes and functions of the country's important financial institutions. Attention will be called to the role of money and finance in the production and distribution of the national income and in the problem of full employment. Relevant problems of international trade and foreign exchange standards will also be introduced.

Prerequisite: Economics 2 or its equivalent.

Recommended: Statistics 1 or 2
Accounting 5.

- 9. ADVANCED ECONOMIC THEORY. (formerly Economics 104).
 Prerequisite: Economics 2 or its equivalent.
- RECENT ECONOMIC HISTORY. (formerly Economics 105).
 Prerequisite: Economics 2 or its equivalent.
 Recommended: Economics 5.
- 11. Public Finance. (formerly Economics 106). The course deals with the financial aspects of the relation of the state to economic life. The first part of the course examines, in general terms, the changing economic role of the state, the nature and extent of public expenditure, and the ways in which this expenditure can be financed. In particular the traditional principles of taxation are thoroughly examined. The latter part of the course covers the development of Canadian public finance from Confederation to the present day in the light of changing national economic conditions. A final survey covers the charteristics and problems of public finance in Canada at present and the outlook for the immediate future. An attempt is made to evaluate these characteristics and problems in the light of the principles studied in the first part of the course.

Prerequisite: Economics 2 or its equivalent. Economics 8.

12. Governmental Economic Policy (formerly Economics 107). A review of the development of economic policy on all government levels during recent decades. With this review as a background, a more exhaustive analysis will be made of the extent to which the Canadian government has become involved in formulating and carrying out economic policies in selected fields, such as finance, manpower, agriculture and the development of natural resources.

Prerequisite: Economics 2 and Economics 3.

ENGLISH

Lecturer — A. M. Beattie, B.A. Sessional Lecturer — P. V. Alexander, B.A.

Note: Each Student must possess a satisfactory English dictionary, preferably the Concise Oxford Dictionary (Toronto, Oxford University Press).

1. A First Year course in composition and literature. Class exercises and essays will be required.

Texts: Perrin—Writer's Guide and Index to English; Larsen and Macdonald—A Century of Short Stories; Brooks and War-

ren—Understanding Poetry; Shakespeare — Macbeth and Twelfth Night; Sheridan—The School for Scandal; Shaw—Arms and the Man.

2. A survey of English literature from the beginning to 1875. Essay writing on subjects related to the literary studies.

Text: Woods, Watt and Anderson—The Literature of England (2 vols.) Parallel reading will be required.

Prerequisite: English 1 or its equivalent.

3. A survey of English literature from 1875 to the present. Essay

writing on subjects related to the literary studies.

Texts: Woods, Watt and Anderson—The Literature of England (2 vols.); Williamson—A Little Treasury of Modern Poetry; Hardy—The Return of the Native; Conrad—Lord Jim; Maugham—Of Human Bondage; Lawrence — Sons and Lovers; Joyce—A Portrait of the Artist as a Young Man; Forster—A Pasage to India; Huxley—Point Counter Point; Woolf—Mrs. Dalloway.

Prerequisite: English 2.

FINE ARTS

Sessional Lecturer - R. H. Hubbard, M.A. Ph.D.

Courses in the history of art are offered by Carleton College in conjunction with the National Gallery of Canada. The collections and study materials of the National Gallery afford the student unusual opportunities for direct observation.

 A survey of the history of art in Europe and America from prehistoric to modern times. The architecture, sculpture and painting of the successive periods are studied with the object of indicating the special forms of beauty characteristic of each period, and of interpreting art in terms of the historical, religious and economic backgrounds.

Text: Robb and Garrison—Art in the Western World (Harpers, 1942).

2. The art of North America. Architecture, sculpture and painting of Canada, the United States and Mexico are studied from colonial times to the present, with an emphasis on Canadian art and its cultural background.

Texts: To be announced.

FRENCH

Lecturer — J. Perry Young, B.A. D.és.L. Sessional Lecturer — A. J. Bénéteau, M.A., Ph.D.

1. As Carleton College is situated in a centre where French is spoken by a large percentage of the population, much stress will be laid on oral French with the aim of having the students acquire a speaking knowledge of the language. The lectures will be conducted in French, as far as possible, and conversational topics of common interest will frequently be discussed in class. The students will be encouraged to do a good deal of French supplementary reading from books recommended by the instructors. In addition to the regular text book exercises, the students will be required to hand in short essays in French based on familiar themes.

Texts: To be announced.

2. Introduction to nineteenth century French literature. Composition and oral French.

Prerequisite: French 1 or its equivalent.

Texts: To be announced.

3. French literature of the seventeenth and eighteenth centuries. Composition and oral French.

Prerequisite: French 2 or its equivalent.

Texts: To be announced.

4. (a) French literature and thought of the twentieth century.

(b) Literature of French Canada.

(c) Composition and oral French.

Prerequisite: French 2 or its equivalent.

Texts: To be announced.

n.b.: Non-credit conversation courses are available in the Department of General Education.

GEOLOGY

Sessional Lecturer — F. J. Alcock, B.A., Ph.D. Sessional Lecturer — M. E. Wilson, B.A., Ph.D. Sessional Lecturer — H. V. Ellsworth, B.A., Ph.D.

2. A course of general Geology with laboratory and field work.

Text: Longwell, Knopf, Flint, Schuchert and Dunbar—Outlines of Geology.

- 3. PHYSIOGRAPHY AND STRUCTURAL GEOLOGY. Land forms and their origin. Physiographic cycles. Influence of surface features on human activities. The interpretation of topographic and geological maps. Rock structures and their origin; folding, faulting, metamorphism.
 - Text: Roebuck Geomorphology (McGraw-Hill), Niven Structural Geology.
- 4. MINERALOGY. Elementary crystallography; descriptive and determinative mineralogy of the common and more important minerals.

GERMAN

Sessional Lecturer — Richard Hoff, LL.D.

- Note: Students should have a good German-English, English-German dictionary (preferably Cassell's German Dictionary in the latest edition.)
- A. An elementary course in German language and literature, designed to meet the needs of students who enter the College with little or no knowledge of German. The work will comprise the elements of grammar, the building up of a basic vocabulary, exercises in translation and dictation, and the reading of easy German prose and poetry.
 - Texts: Hauch Essential German (Oxford); KoischwitzDeutsche Fibel (Crofts); Burkhard & Downs—Schreiben Sie Deutsch! (Holt); Durian—Kai aus der Kiste (Holt).
- AA. An elementary course for Science students. The work will comprise the elements of grammar, the building up of a basic vocabulary, exercises in translation and dictation, and the reading of some German scientific writings.
 - Text: Fiedler & Sandbach—A First German Course for Science Students (Oxford).
 - 1. The work includes a more advanced study of grammar, the use of idiomatic expressions, translations at sight, reading of German texts, composition and oral practice.
 - Texts: von Grueningen A Graded Reference Grammar for Students of German (Prentice-Hall); Puckett—Intermediate Readings in German (Macmillan).

Reading: Jeffrey & Volbehr — Zwölf Dichter der Gegenwart (Holt); Fulda-Hohensonne (Appleton-Century); Lang & Needler—The German Reader (Ryerson).

Prerequisite: German A or its equivalent.

2. A comprehensive review of German grammar, reading and discussion of modern German prose and poetry, introduction to the reading of German classics, intermediate German composition, easy German conversation.

Texts: von Grueningen — A Graded Reference Grammar for Students of German (Prentice-Hall); Chiles — German Composition and Conversation (Ginn & Co.); Stroebe—Vom Alltag zur Literatur (Holt).

Reading: Remarque — Drei Kameraden (American Book Co.); Kleist—Der zerbrochene Krug; Bruns—A Book of German Lyrics (Heath).

Prerequisite: German 1 or its equivalent.

3. Advanced German reading, composition and conversation. Students will be encouraged to increase the fluency and correctness of their German in order to make possible the exclusive use of the German language in the classroom.

Texts: von Grueningen — A Graded Reference Grammar for Students of German (Prentice-Hall); Chiles — German Composition and Conversation (Ginn & Co.); Buka — Learning German from Modern Authors (Macmillan).

Reading: Geissendoerfer & Kurtz — Deutsche Meisternovellen (Prentice-Hall); Hauptmann—Der arme Heinrich (Crofts); Hebbel—Agnes Bernauer (Oxford); Bithell — An Anthology of German Poetry, 1880-1940 (Methuen).

4. ADMINISTRATIVE GERMAN. This course will have to do with the terminology of the German constitutional, legal and administrative systems.

Texts will be announced at the beginning of the term.

Prerequisite: German 1 or its equivalent. Open to students of German 2 and 3.

GREEK

Sessional Lecturer — George Vlassis, M.A.

- AA. Modern Greek. An introductory course in Modern Greek. Elements of Greek grammar. Reading of easy texts of prose and poetry. Conversational Greek. Translation from Greek to English and English to Greek.
- A. Classical Greek. A preparatory course for students who have not taken Greek for Junior Matriculation. May not be taken singly for First Year Credit.
 - 1. Classical Greek. The course is that prescribed for Grade XIII in the secondary schools of Ontario.

Prerequisite: Greek A or its equivalent.

2. Modern Greek. Modern Greek Literature. Modern Greek Poets: Palamas, Droissinis, Polemis and others (Selections). Modern Greek chroniclers and prose writers (Selections). Grammar. Translations. Particular care will be given to conversational Greek.

Prerequisite: Greek AA or its equivalent.

HISTORY

Associate Professor — James A. Gibson, B.A., B.Litt., D.Phil.
Lecturer — David Farr, M.A.
Sessional Lecturer — J. M. McQueen, M.A.

- 1. CANADA AND THE MODERN WORLD. This course will provide a general background for further studies in history. It will begin with a survey of main influences upon the North American continent and wlil lead on to consideration of Canada's advance to nationhood within the British Commonwealth. In addition to a consideration of some contemporary Canadian problems, attention will also be given to Canada's relations with the United States and to the development of international organization since 1919.
- 2. HISTORY OF EUROPE, 1400-1789. An introductory course dealing with the growth of nation-states, the rise and fall of absolute monarchies, and the interplay in Europe of political, economic, religious and cultural developments.

Texts will be announced at the opening of term.

3. NEW FRANCE AND BRITISH AMERICA TO 1791. An introduction to the history of Canada, giving particular attention to discovery, settlement and the character of the institutions of old France transplanted across the Atlantic. Maritime discovery, the settlement of the Atlantic colonies, and the revolutionary struggle will be considered as a prelude to later developments on the American continent.

Text: Morden H. Long—A History of the Canadian People, Vol. 1.

4. ANCIENT HISTORY AND WESTERN CIVILIZATION. A survey course relating the philosophy and civic complexion of early society to the growth of modern Europe. The interest will be mainly in the continuity of political ideas.

Texts to be announced at the opening of the term.

5. ENGLISH HISTORY TO 1689. This course will consider the settlement of peoples and the growth of corporate life in early Britain; continental invasions, feudal organization; the emergence of an English spirit and its expression in the monarchy and Parliament.

Text: G. M. Trevelyan—History of England (Longmans) .

6. CANADA FROM 1791: THE EVOLUTION OF CANADIAN SELF-GOVERNMENT. This course will consider at the outset the transition from French Canada to British North America, and the political conflicts which arose from differences in racial background and political experience. In addition to emphasis on the constitutional evolution from representative to responsible government and from federation to autonomy, attention will be given to influences on the government from Britain and from the United States, and to the emergence of Canada into the world community.

Prerequisite: History 3.

Texts: W.P. M. Kennedy—The Constitution of Canada (Oxford).
J. B. Brebner—North Atlantic Triangle (Ryerson Press).

Not offered in 1947-48.

7. British Expansion Overseas. A survey of the movements of people and ideas from the great age of maritime discovery to the definition of the British Commonwealth of Nations. The question of relations with aboriginal peoples and the exploitation of primary resources in new territories will receive detailed consideration.

No text is prescribed for this course; readings will be assigned.

- 8. HISTORY OF THE UNITED STATES OF AMERICA. This course will consider the colonial background; the Revolutionary Generation; the drafting of the Constitution and the expansion of the Union; competing conceptions of democracy and the tradition of the frontier; industrial development and agrarian migration; sectional influences and the era of Reconstruction; the United States in world politics. Texts will be announced at the opening of the term.
- 9. MEDIAEVAL HISTORY AND WESTERN CIVILIZATION. A survey course relating the philosophy and civic complexion of mediaeval society to the growth of modern Europe. The interest will be mainly in the continuity of political ideas.

Texts to be announced at the opening of the term.

JOURNALISM

- REPORTING (formerly Journalism 100). The character of news and training in its handling. News assignments with emphasis on the reporting of public affairs, and practice in interviewing. Conferences and laboratory work. All writing in the course to be done by typewriter.
- 2. EDITING (formerly Journalism 101). Instruction and practice in copy editing, headline writing, news display, illustration, and newspaper library reference methods. Conferences and laboratory work. All writing in the course to be done by typewriter.
- 3. FORMS OF JOURNALISTIC WRITING (formerly Journalism 102). The following forms are studied: magazine article, feature article, editorial, critical essay and short story. Practice in writing with emphasis on the marketing of manuscripts; literary markets are surveyed and the student is assisted in marketing his manuscript. The popularization of technical and scientific data. Conferences. All writing in the course to be done by typewriter.
- 4. EDITORIAL METHODS AND PUBLISHING POLICY (formerly Journalism 103). A detailed study of control and editorial policy of the leading newspapers in Canada, French and English, with some reference to United States and United Kingdom papers for comparative purposes.
- 5. HISTORY OF JOURNALISM (formerly Journalism 104). A study of the changing character of the newspaper and periodical with emphasis on the contributions of outstanding editors, publishers and inventors. The evolution of freedom and responsibility of the press, the development of collective news services, etc.

LATIN

Sessional Lecturers — Agnes C. Sweeney, B.A. L. G. Keill, B.A. W. H. Showman, B.A.

A. A preparatory course for students who have not taken Latin for Junior Matriculation. May not be taken for First Year credit.

Texts: Hamilton and Carlisle — Latin for Secondary Schools (Gage); High School Latin Reader (Ryerson).

1. Translation and interpretation of prescribed texts; sight translation; prose composition.

Prerequisite: Latin A or its equivalent.

Texts: Carlisle and Mills—Senior Latin Prose (Gage); Book of Latin Prose (Macmillan); Book of Latin Poetry (Macmillan).

2. Translation and interpretation of prescribed texts; sight translation; prose composition.

Prerequisite: Latin 1 or its equivalent.

Texts: Vergil — Aeneid I — VI, Page (Macmillan); Cicero — Pro Archia, Reid (Pitt Press); Oxford Book of Latin Verse (School edition): Oxford University Press.

MATHEMATICS

Professor — L. N. Richardson, M.A., M.Sc. Lecturer — J. W. Mayne, M.A., M.Sc. Sessional Lecturer — R. Bruce Gamble, B.Sc.

1. ALGEBRA, GEOMETRY, TRIGONOMETRY.

Texts: Miller and Rourke—An Advanced Course in Algebra; Durant and Kingston—A New Analytic Geometry; Miller and Rourke—Plane Trigonometry and Statics.

Any two of the above subjects constitute a full credit for students not intending to take further courses in Mathematics. Students planning to take Engineering, Bachelor of Science or Bachelor of Commerce courses will take all three subjects.

2. CALCULUS. An introductory course in Differential and Integral Calculus, with emphasis on the fundamental processes and applications.

Text: Granville, Smith and Longley—Elements of Differential and Integral Calculus.

3a. MATHETICS OF INVESTMENT. Simple and compound interest, discount, annuities, perpetuities, amortization, sinking funds, bonds, debentures, depreciation; probability and its application to Life Insurance.

Texts: Hart—Mathematics of Investment; Tate—Mathematical Theory of Interest.

3b. MATHEMATICAL STATISTICS. Graphs, tables, functions, frequency distributions, averages and measures of central tendency, dispersion, moments, index numbers, linear trends, correlation theory, regression, curve fitting, the normal curve, sampling, applications to data in various fields.

Text: Richardson-Introduction to Statistical Analysis.

- 4a. ALGEBRA. Solution of equations; determinants, curve filling and graphs, complex numbers, partial fractions, logarithms, annuities, sinking funds, infinite series.
- 4b. ANALYTIC GEOMETRY. Review of the conic sections and simple properties. Introduction to solid analytic geometry.
- 5. CALCULUS. Functional notation, limits, differentiation, maxima and minima, curvature. Integration with applications to simple problems concerning areas, volumes, lengths, centres of gravity, moments of inertia, work and pressure.
- 6. CALCULUS. Partial differentiation, multiple integrals with applications to volumes, moments of inertia, Taylor's Theorem, hyperbolic functions.
- 7. SPHERICAL TRIGONOMETRY.
- 8. CALCULUS AND DIFFERENTIAL EQUATIONS.

Texts: Granville, Smith and Longley—Elements of Differential and Integral Calculus; Miller—First Course in Differential Equations.

9. SOLID ANALYTIC GEOMETRY.

Text: Snyder and Sisam—Analytic Geometry of Space.

10. THEORY OF EQUATIONS.

Text: Lovett—Elementary Theory of Equations.

11. ADVANCED CALCULUS.

Text: Woods-Advanced Calculus.

MUSIC

Sessional Lecturer — Myron McTavish, Mus.B., F.A.G.O., L.T.C.M., F.C.C.O.

1. A survey of the rise of music in the occidental world, from the time of the Greeks to the present day. The course is extensive rather than intensive and will serve as an introduction to the vast field of musical history, of which only small portions are dealt with in the usual texts.

Text: Finney-A History of Music.

2. This course aims to give the student the tools for, and practice in, elementary composition.

Texts: D. E. Parry Williams-A Music Course.

Kitson-Counterpoint for Beginners.

Prerequisite: Music 1 or its equivalent.

PHILOSOPHY

Sessional Lecturer - F. E. Whitworth, M.A., Ph.D.

Sessional Lecturer — J. M. Wyatt, M.A.

Sessional Lecturer — John E. Robbins, M.A., Ph.D.

2. An Introduction to Philosophy. An attempt to promote clear and ordered thought about man and his progress, the individual and the good life, society and its problems, the significance of religion, and the nature of reality.

Texts: Hocking, Blanchard, Hendel, Randall — Preface to Philosophy; Hoople, Piper, Tolley—Preface to Philosophy, Book of Readings.

The texts in Logic to be announced at opening of term.

3. HISTORY OF PHILOSOPHY. A survey of the major systems in ancient and modern philosophy.

Texts: To be announced at opening of term.

PHYSICS

Assistant Professor-Allan M. Munn, M.Sc., Ph.D.

1. GENERAL PHYSICS. A survey course in General Physics. Heat, Light, Sound, Electricity and Mechanics are discussed from an elementary point of view. Two 1-hour lectures, one 2-hour problems period and one 2-hour laboratory period each week, both terms.

2a. PROPERTIES OF MATTER. A course in elementary Heat, the Properties of Matter and Mechanics.

Two 1-hour lectures and one 2-hour problems period each week, First Term only.

Mathematics 2, if not previously taken, must be taken concurrently.

Prerequisites: Physics 1 or its equivalent.

Mathematics 1 or its equivalent.

2b. WAVE MOTION. A course in Wave Motion, Sound and Physical Optics.

Two 1-hour lectures and one 2-hour problems period each week, Second Term only.

Mathematics 2, if not previously taken, must be taken concurrently.

Prerequisites: Physics 1 or its equivalent.

Mathematics 1 or its equivalent.

- 2 L. A laboratory course designed to illustrate the material covered in Physics 2a and 2b.
- 3a. ELEMENTARY ELECTRICITY. A course in Electrostatics, Direct Current Flow, Magnetism and elementary Electromagnetic Phenomena.

Two 1-hour lectures and one 2-hour problems period each week, First Term only.

Prerequisites: Physics 1 or its equivalent.

Mathematics 2.

3b. ADVANCED ELECTRICITY. This is an extension of Physics 3a to include more advanced topics such as Bridge Circuits, Motors and Generators, a thorough discussion of A.C. theory, and some Electronic theory of Vacuum Tubes, etc.

Two 1-hour lectures and one 2-hour problems period each week, Second Term only.

Prerequisites: Physics 3a.

Mathematics 2.

3 L. A laboratory course in Electrical Measurement designed to accompany Physics 3a and 3b.

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4a. THERMODYNAMICS. An advanced course in Heat and Thermodynamics.

Two 1-hour lectures, one 2-hour problems period each week, First Term only.

Prerequisites: Physics 2a. Mathematics 2.

5b. PHYSICAL OPTICS. An advanced course in Physical Optics.

Two 1-hour lectures and one 3-hour laboratory period each week. Second Term only.

Prerequisites: Physics 2b. Mathematics 2

6a. STATICS AND DYNAMICS OF A PARTICLE. A discussion of the Statistics and Dynamics of a Particle. The methods of Vector Analysis will be taught and used throughout.

Two 2-hour lectures each week, First Term only.

Mathematics 6, if not previously taken, must be taken concurrently.

Prerequisites: Physics 2b. Mathematics 2.

7b. ELECTROMAGNETISM. An advanced discussion of Electricity and Magnetism by the methods of Vector Analysis—leading to Maxwell's Equations and their applications.

Two 2-hour lectures each week, Second Term only.

Mathematics 6, if not previously taken, must be taken concurrently.

Prerequisites: Physics 2a, 2b, 3b. Mathematics 2.

8a. ATOMIC PHYSICS. This will include the Molecular-Atomic theory of Matter-leading up to the Bohr-Rutherford theory, and a discussion of Spectroscopy.

One 2-hour lecture and one 2-hour conference period each week, First Term only.

Prerequisites: Physics 2a. 2b. Mathematics 8.

9b. ADVANCED DYNAMICS. Statics and Dynamics of Rigid Bodies, and some discussion of Elastic Bodies, Hydrostatics and Hydrodynamics.

Two 2-hour lecture periods each week, Second Term only.

Prerequisites: Physics 6a.

Mathematics 8.

10. MODERN PHYSICS. A course in Modern Physics including some discussion of Quantum Theory, Relativistic Theory and the Philosophy of Physics.

One 2-hour lecture and two 2-hour conference period each week, both Terms.

- Note.—This course will be open only to students majoring in Physics, or in Physics and Mathematics. The course will be given in the final year of the Honours B.Sc. curriculum.
 - 11 L. An advanced laboratory course designed to train students in laboratory technique.

Approximately 6 hours each week, both Terms.

POLITICAL SCIENCE

Assistant Professor -- Frank MacKinnon, M.A.

Lecturer — John Garner, M.A. Sessional Lecturer — L. W. Moffit, Ph.D.

- 1. THE GOVERNMENT OF CANADA. An introductory course in government and politics with particular reference to Canada.
- 2. INTRODUCTION TO POLITICAL SCIENCE. A study of modern political ideas and institutions, with special reference to the structure of democratic governments, particularly the government of Canada. Texts: J. A. Corry Democratic Government and Politics; R. MacGregor Dawson—The Government of Canada.
- 3. COMPARATIVE GOVERNMENT. A comparative study of the governments of the United Kingdom, the United States of America, and the British Dominions.

Prerequisite: Pol. Sc. 2.

Texts: J. A. Corry—Democratic Government and Politics; F. A. Ogg—English Government and Politics; F. A. Ogg and P. O. Ray — Introduction to American Government; Alexander Brady—Democracy in the Dominions.

4. HISTORY OF POLITICAL THEORY. A general introductory survey of the history and significance of political thought from ancient times to the present, together with an examination of the works of selected political thinkers and their place in national and international politics.

Texts: G. H. Sabine — A History of Political Theory; F. W. Coker—Recent Political Thought.

5. EARLY POLITICAL THEORY AND INSTITUTIONS. A detailed study of the development of political thought from earliest times to the 19th century.

Prerequisites: Pol. Sc. 2.

6. Introduction to Public Administration. A general introduction to the study of public administration including an examination of the position of the executive, legislative, administrative, and judicial functions in the modern state; cabinet government; administration and politics; administrative tribunals; the nature and place of administrative law in government; and related topics, together with a detailed examination of the principles of administration.

Prerequisites: Pol. Sc. 2 and 3.

This course will be given in 1948-49 and alternate years.

7. CIVIL SERVICE PRINCIPLES AND LEGISLATION. (formerly Personnel Management 102). A comparative study of the development of civil service personnel selection and organization in Canada, Great Britain and the United States. Topics to be studied include patronage and the spoils system, the merit system, structure and functions of typical Canadian Departments, principles of organization and classification, recruiting methods, examination programs and techniques, principles of promotion, "In Service" training, ex-service preferences, provincial and municipal civil services.

Prerequisites: Pol. Sc. 1 or 2.

8. THE GOVERNMENT OF THE UNITED STATES. A study of the political institutions of the United States of America and the relationship between them.

Prerequisite: Pol. Sc. 2.

To be given in 1948-49 and thereafter.

- 9 MODERN POLITICAL THEORY AND INSTITUTIONS. An examination of the theoretical basis of modern politics and of the ideas of political thinkers of the 19th and 20th centuries, with special emphasis on modern democracy and the development of socialism, communism, fascism and other political movements.
- 10. THE STATE AND MODERN LIFE. A study of the role of the state in economic affairs with special reference to: government regulation of industry, public utilities, public corporations, economic planning, government and labour legislation, social services, and allied topics.

Prerequisites: Pol. Sc. 2 and Economics 2.

11. SEMINAR IN CANADIAN GOVERNMENT. An advanced course in Canadian political institutions and problems.

Prerequisites: Pol. Sc. 2 and 3.

This course will be given in 1947-48 and alternate years.

12. SEMINAR IN EUROPEAN COMPARATIVE GOVERNMENT. A study of the development and structure of government in France, Switzerland and Germany.

Prerequisites: Pol. Sc. 2 and 3.

- 13. THE GOVERNMENT OF RUSSIA. An examination of the structure and background of government and politics in modern Russia. To be given in 1948-49 and thereafter.
- 14. SEMINAR IN POLITICAL RESEATCH. This course, for honour students only, is designed for training in research techniques and for the discussion and criticism of honour dissertations, and other special research projects pursued under the auspices of the Department in connection with the facilities available in the Archives of Canada, the Library of Parliament, and the government departments.

PSYCHOLOGY

Sessional Lecturer — Florence Dunlop, Ph.D. Sessional Lecturer — F. E. Whitworth, Ph.D.

2. Introduction to Psychology. An elementary survey of mental life.

Texts: Murphy — Briefer General Psychology (Harper); and selected readings.

Dr. Dunlop

3. APPLIED PSYCHOLOGY (formerly Personnel Management 101). Elementary applications of psychology with particular reference to business, industry and the home; the measurement of aptitudes and interests; personality and problems of adjustment; and a systematic treatment of problems of study habits.

Texts: Griffith—An Introduction to Applied Psychology (Macmillan); Robinson—Diagnostic and Remedial Techniques for Effective Study (Harper).

Dr. Whitworth

4. PSYCHOLOGY FOR BUSINESS AND INDUSTRY. (formerly Personnel Management 100). This course considers the needs of personnel administrators, supervisors and executives. It deals with current

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problems and procedures in personnel management, including the following: employee selection, induction, training, placement, transferring, up-grading and employee relations. Uses of tests and rating scales in the administration of personnel. Uses of job analysis, time and motion study. Maintaining morale and job satisfaction enquiry techniques. How to conduct a conference. How to interview. The foreman today. House organs. Executives and junior executives, etc.

Reference Works: Moore, H. — Psychology for Business and Industry; Bingham and Moore—How to Interview, and other recommended texts.

Dr. Whitworth

5. CHILD PSYCHOLOGY.
Not offered in 1947-48.

Dr. Dunlop

PUBLIC LAW

Sessional Lecturers — E. R. Hopkins, M.A., LL.B.
Gordon F. Henderson, B.A.
and others

- 1. The Elements of Public Law (formerly *Public Law 100*). An introduction to the study of law, designed to acquaint the non-lawyer with the principal institutions, concepts, and classifications of the law, with special reference to Canada.
 - N.B.—Except for students with previous legal training, this course is a prerequisite for other courses in Public Law.
- 2. The Constitutional Law of Canada (formerly *Public Law 102*). A general survey of the Canadian Constitution with special reference to the British North America Acts, 1867-1943, Judicial Committee decisions, the Imperial Conferences of 1926 and 1930, and the Statute of Westminster.

 Prerequisite: Public Law 1.
- 3. CANADIAN ADMINISTRATIVE LAW (formerly Public Law 103). This course is designed to give advanced students a general survey of the field of administrative law. Executive, judicial and legislative aspects of administrative action; doctrine of the separation of powers and non-powers; administrative discretion; notice and hearing as requisites of administrative action; judicial interference with adminis-

tration; finality of administrative determinations; extent and methods of judicial review, with special reference to important Dominion and Provincial Commissions.

Prerequisite: Public Law 1.

4. The Drafting and Operation of Statutes, Regulations and Orders (formerly Public Law 104).

Prerequisite: Public Law 1.

5. AN INTRODUCTION TO INTERNATIONAL LAW (formerly Public Law 105). An introductory course in international law, with special reference to the functions of the United Nations and the International Court of Justice in the classification and orderly development of international law, and to the negotiation and perfection of international agreements.

Prerequisite: Public Law 1.

RELIGIOUS KNOWLEDGE

Sessional Lecturer — Charles W. Bishop, M.A., D.D.

1. An Introduction to the History and Literature of the New Testament. Religious and social background of the writings of the New Testament. The Four Gospels, their origins, and the problems of their authorship and composition, including the Synoptic and Johannine problems. The life and letters of Paul and the beginnings of the Christian Church. The non-Pauline epistles and the Christian Apocalypse.

RUSSIAN

Sessional Lecturer — D. I. Lalkow, M.D.

A. The work comprises the elements of grammar; orthography, writing, pronunciation, accentuation, and reading of easy texts.

The course in grammar, though elementary in form, is practical for reading, writing and speaking Russian. The course will also include translations from Russian into English and from English into Russian, and conversational practice.

Texts: Bondar—Simplified Russian Method; G. Z. Patrick—Russian Reader.

1. The course begins with the review and completion of Bondar's Simplified Russian Method. After completing the prescribed textbook, the student will have a good knowledge of Russian grammar and

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a stock of words at his command quite sufficient for carrying on an ordinary conversation and for translating or writing business letters.

The course will also include Commercial Correspondence; commercial letters, terms and phrases, readings dealing with various branches of commercial activity. Simple narratives of Russian life, customs and history, with short stories from Tolstoy, Dostoyevsky and Chekhov.

Texts: Bondar—Simplified Russian Method; G. Z. Patrick—Russian Reader.

Prerequisites: Russian A or its equivalent.

2. Advanced course in grammar and syntax as exemplified in Russian classics, prose and poetry. The main object of this course is the acquisition of the "feel" of the language. Continuation of the commercial course. Composition—Short and simple essays. Conversation. Continuation and completion of G. Z. Patrick's Russian Reader, together with the study of Russian literature as portrayed in the works of such authors as Gogol, Pushkin and Lermontov.

Prerequisites: Russian 1 or its equivalent.

3. Advanced course in Russian literature, press and conversation. Prerequisite: Russian 2 or its equivalent.

Note—Students in all classes are advised to procure Muller's Russian-English and English-Russian dictionaries.

SOCIAL POLICY

Sessional Lecturers — N. McKellar, B.A., B.Com. One to be appointed.

1. Social Legislation (formerly Social Policy 101). A survey of Dominion and Provincial social legislation with emphasis on recent developments in the field of social security, the administration of such measures and consideration of their social and economic effects. Prerequisites: Economics 2 or its equivalent.

Texts: To be announced.

2. LABOUR POLICY (formerly Social Policy 102). Labour and employer organization; government policy in relation thereto; economic and social implications.

Prerequisite: Economics 2 or its equivalent.

Texts: To be announced.

SPANISH

Sessional Lecturer — Mercedes M. French, B.A.

A. An elementary course in Spanish language and literature, designed to meet the needs of students who enter the College with little or no knowledge of Spanish. The work will comprise the elements of grammar, the building up of a basic vocabulary, exercises in translation and dictation, and the reading of easy Spanish prose and poetry.

Texts: House and Mapes—The Essentials of Spanish Grammar (Part 1); Keniston—Reading Spanish.

1. More advanced grammar, reading, translation, and oral exercises. Prerequisite: Spanish A or its equivalent.

Texts: House and Mapes—The Essentials of Spanish Grammar (Part 2); Cano and Saenz—Easy Spanish Plays; Goggio and Tayler—Lecturas iberoamericanas.

Note—A special course, comprising Spanish A and Spanish 1, will be given in 1947-48 enabling students to complete the requirements for both courses in one year. Five hours a week.

2. Review of grammar, reading, translation, oral exercises. Prerequisite: Spanish 1 or its equivalent.

Texts: Crawford—Temas espanoles; Valera—Juanita la larga;
Palacio Valdes—La alegrea del Capitan Ribot; Benavente
—Los intereses creados.

3. Commercial Spanish. Review of grammar, introduction to business Spanish.

A credit course for students in Second Year Commerce only, although open as a non-credit course to any student possessing its prerequisite. Prerequisite: Spanish 1 or its equivalent.

Texts: Crawford—Temas espanoles; Luria — Correspondencia comercial al dea.

STATISTICS

Sessional Lecturers — Nathan Keyfitz, B.Sc. R. Warren James, M.A., B.Com.

1. INTRODUCTION TO STATISTICAL METHODS (formerly Statistics 100). A survey of the history of the subject and a summary of sources of data will lead into a fairly rigorous presentation with emphasis on the frequency distribution and its measures. Applications to population, biology and business statistical analysis will provide examples of the theoretical principles.

Prerequisite: Mathematics 1, or its equivalent.

2. STATISTICAL SERVICES (formerly Statistics 101). A review of the development of government statistics in Canada and their present status, with some reference to practice in other countries. Objectives and procedures will be discussed, both from the point of view of the statistical administrator and the user of numerical data. Theoretical considerations will be subordinated to problems of definition, collection and tabulation.

Not offered 1947-48.

Prerequisite: Mathematics 1 or its equivalent.

See also Mathematics 3b for Mathematical Statistics.

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